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EMERGENCY SUTURES

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Army & N
Army Tourn
Auto Susp

Curity
REG. U.S. PAT. OFF.

DRESSINGS SPECIALTIES SUTURES

U. S. Patent Office

OCT 29 1958

DIVISION 55

LEWIS MANUFACTURING CO - BAUER & BLACK

604
228

A chief requirement in the designing of this catalog has been to make it easy to use. Three devices contribute to this end:

1. *Find the product* by using the thumb-index on both covers.
2. *Or find the product* in the more complete index opposite.
3. *Find the information* in the catalog and descriptive sections on each page, or in the illustrations.

Many new Curity products are cataloged for the first time, particularly in the sections on Adhesives, Absorbents, Specialties and Sutures.

We sincerely hope this comprehensive catalog will be of daily help to our hospital and professional friends.

LEWIS MANUFACTURING CO • BAUER & BLACK

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READY-MADE DRESSINGS

The use of Ready-Made Dressings has become wide-spread among the hospitals of the United States and Canada. But some hospitals have gone only part of the way in adopting the program, although it is the usual experience that the greatest savings are accomplished when all possible Ready-Made Dressings are used. A check of your hospital's dressings against the Curity Ready-Made Dressings discussed in the next section may reveal further opportunities for the routine use of Ready-Made Dressings.

The first hospital Ready-Made Dressing, a cotton-filled O. B. Pad, was manufactured by Curity in 1920. This was so well received that, during the next ten years, machines were designed and built to produce other important dressings—Surgical Sponges, Ready-Cut Gauze, Dressing Rolls, Kotex For Hospitals, Ready-Cut Bandage Rolls, etc.

In 1930 the first of several reports and recommendations on dressings standardization was published, the American College of Surgeons' "Preliminary Report of a Survey and Study of Surgical Dressings and Materials." A committee of the American Hospital Association also reported on this problem, and in 1932 the Bureau of Standards of the U. S. Department of Commerce consolidated these surveys in a bulletin "Simplified Practice Recommendation R133-38."

Curity followed these studies closely, was able to contribute to the solution of certain problems, and became a leader in manufacturing dressings to conform to the agreed-on standards.

In recent years a number of articles in hospital magazines have reported the dollar economies made possible by the adoption of Ready-Made Dressings. These reports of actual experiences are convincing evidence of immediate benefits, added to which is the important intangible benefit of releasing nurses from routine dressings making so they can devote more time to study and to actual nursing.

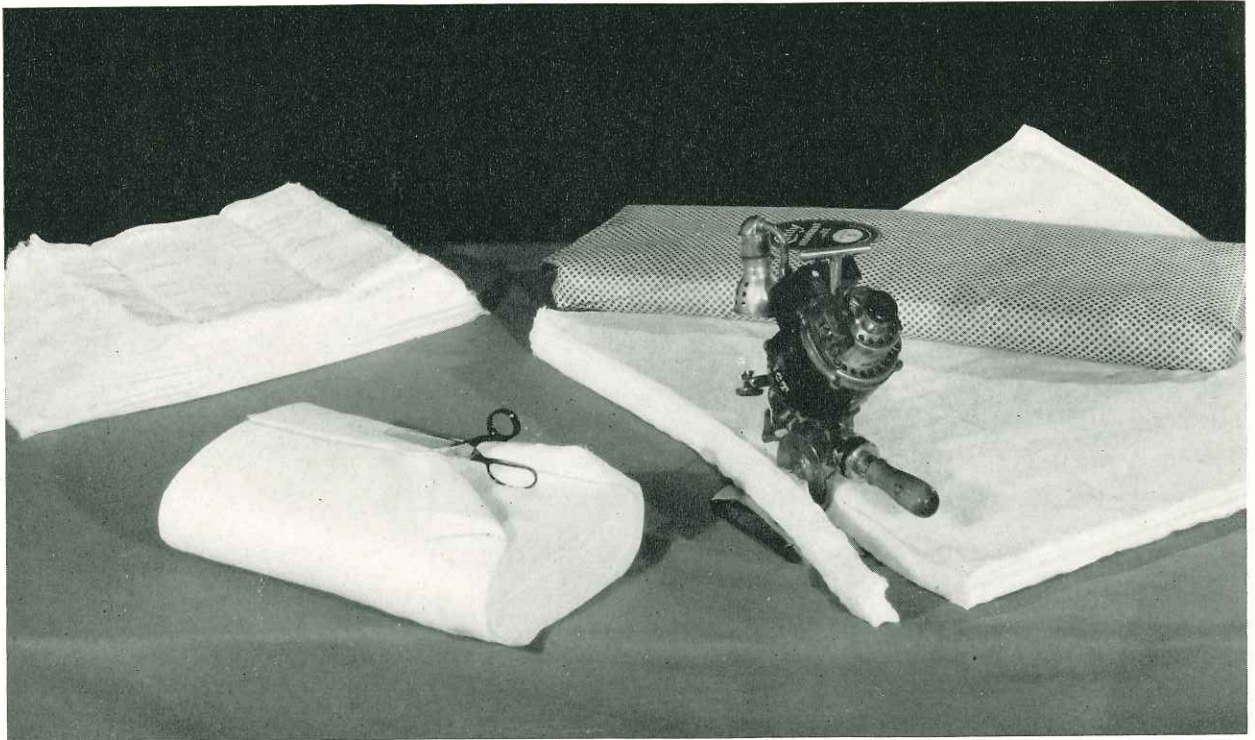
The Curity representative is well equipped to recommend Ready-Made Dressings suitable for your hospital. They will pay cash dividends and make possible an even more effective use of student and graduate nurse personnel.



GAUZE BOLTS

Showing common methods of cutting

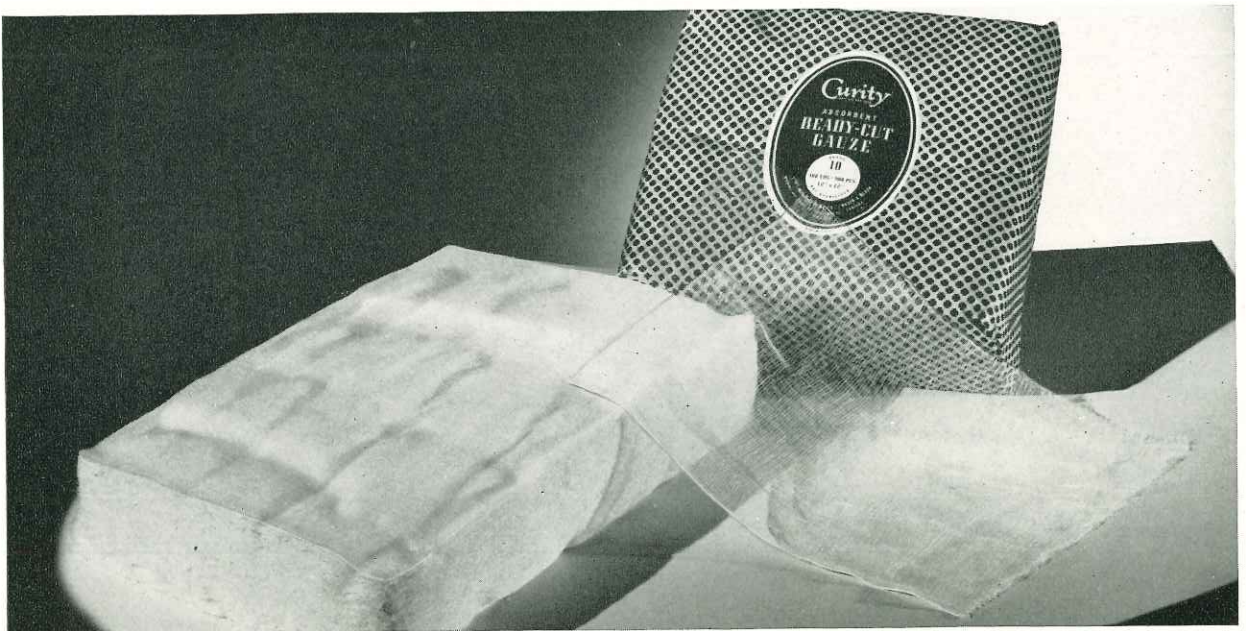
GAUZE



Double-Fold

Flat-Fold

READY-CUT GAUZE





GAUZE PRODUCTS

The manufacturing of surgical gauze demands specialized skill which the Curity organization has built up during 40 years! In weaving gray cloth, for instance, as many as 32 different defects may occur, despite the utmost manufacturing care. Therefore, every yard of gray cloth intended for Curity products is inspected and particular effort is made to eliminate those defects of greatest importance to the hospital user—torn places, oil stains, uneven threads and lint.

Removal of the moisture-repellent oils and waxes (pectin) that surround each cotton fiber is accomplished by the skillful application of chemicals under heat and pressure. The gauze—now nearly 100% absorbent cellulose—is then bleached by further chemical treatment. Finally, many washings in pure water remove all trace of chemicals, and the snowy-white, highly absorbent gauze is ready for packaging or manufacture into Ready-Made Dressings.

BOLT GAUZE

Extra precautions are taken to render Curity gauze as satisfactory as possible for surgical dressings. For example: lint collects unavoidably during the handling of any cotton cloth, so Curity gauze goes through a final de-linting. And full width is assured by automatic controls on the drying machine. Full length, too, because in the winding of each bolt an extra length is included—when the bolt is unwound and its tension released each bolt is 100 yards long, *full value*. "Pad" gauze is particularly economical for covering cotton and Cellucotton drainage and maternity pads.

Grade	Width	Mesh
"Pad"	36"	14x10
10	36"	20x12
20	36"	20x16
30	36"	22x18
40	36"	24x20
50	36"	28x24
60	36"	32x28
90	38½"	44x40

100 yd. bolts, 36" flat-fold or 18" double-fold (oval) bolts. "Pad" gauze is 36" flat-fold only.

SURGICAL GAUZE

Particularly useful in the out-patient and emergency rooms (or in the doctor's office), where the gauze is well protected in a sturdy carton. Finer-mesh grades, sterilized after packaging.

Length	Grade	Mesh
1 yd.	50	28x24
5 yd.	50	28x24
(Plain)		
5 yd.	50	28x24
(Inner wrap)		
5 yd.	40	24x20
25 yd.	50	28x24
25 yd.	40	24x20
25 yd.	20	20x16

Sizes

36"x36"	18"x12"
36"x18"	12"x12"
18"x18"	9"x9"

Grades 10 and 20 in stock. Other grades or sizes: minimum quantity per shipment 1,000 yards.

READY-CUT GAUZE

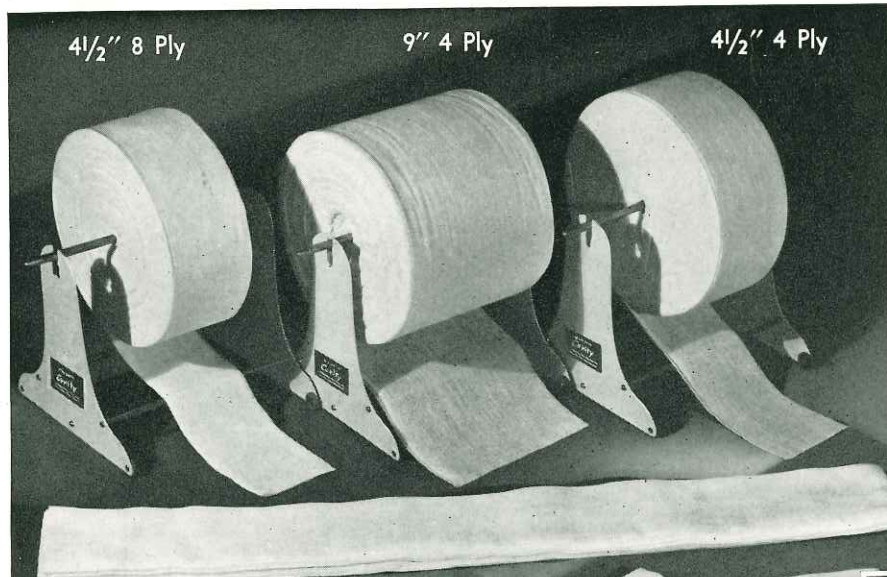
When gauze is passed through ordinary equipment (tenters) to dry it, one selvage often "gets ahead" of the other, the threads dry on the bias and ravelling results when the gauze is cut. Loose threads shed from dressings may cause wound irritation. Curity's tenters are equipped with "speed compensators" that automatically synchronize the speed of the selvages and dry the threads straight. When Curity Ready-Cut Gauze is used, ravelling is at a minimum.

UNBLEACHED MUSLIN

A heavy-duty cloth for wrapping sterilizer bundles and for shrouds, slings, bandages and binders.

Grade	Width	Mesh
Muslin	36"	56x60
60-yd. 36" flat-fold bolts.		

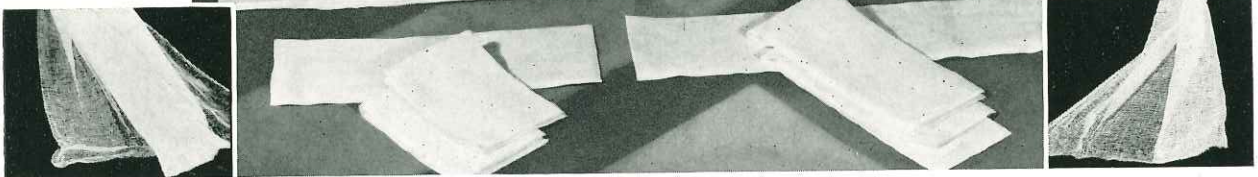
DRESSING ROLLS, ON DRESSINGS STANDARDS
and typical dressings lengths cut from them



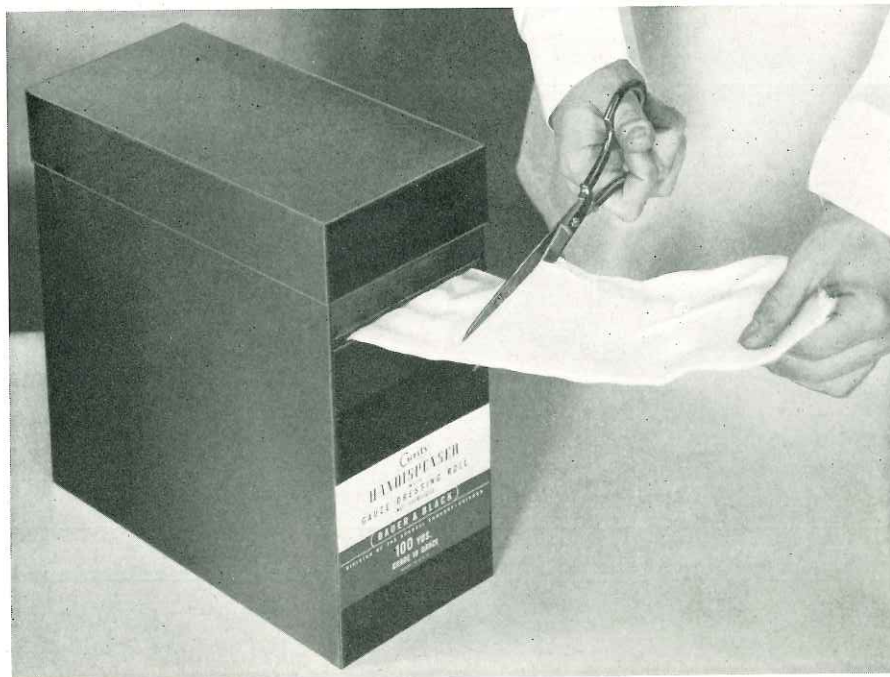
Lisco Roll
Opened to show the three layers of gauze that protect the cotton web.

Dressing Roll

The gauze is folded to bring all sel-vage edges inside the fold.



HANDISPENSER



DRESSING ROLLS

Dressing Rolls were one of the first basic Ready-Made Dressings—first quality, highly absorbent gauze in economical and convenient forms for the making of ward dressings or flats, leg rolls, long sponges, etc. A wide piece of gauze is folded several times with all edges turned in, making continuous strips of the widths and ply shown at the left. If no raw edges are wanted after a suitable length has been cut from the roll, it is easy to fold in the cut ends and so make a surgically safe sponge or roll.

LISCO ROLL

This roll is particularly developed for the making of flat dressings for the wards. A specially processed, highly absorbent web of Densor cotton (a patented Curity product) is covered with gauze and made up into a continuous roll from which pieces of any desired length are quickly cut. One surface of the condensed cotton web is covered with *three* layers of gauze as an added protection against the shedding of fibers. Lisco Roll will absorb 19 times its own weight of moisture—a highly efficient drainage dressing. And as a wet dressing it delivers $\frac{1}{3}$ more heat than the same size piece of 8-ply gauze—its heat is effective for a longer time, less time is taken up with changing dressings. Lisco Roll costs less than all-gauze dressings, gives a more satisfactory and more economical performance. Available also in the form of Lisco Sponges, described on page 9.

DRESSINGS STANDARD

A sturdy metal rack on which rolls are mounted to permit easy and convenient dispensing. Especially designed for Curity Dressing and Lisco Rolls and Curity Combination Rolls.

100 YD. CARTONS

Sorbant Carton Roll. 100 yd. $4\frac{1}{2}$ " x 8 ply dressing roll in a large, strong carton. The roll is mounted on a spindle, dispenses easily through a slot in the side of the carton—and any desired length can be measured accurately on the printed yard-stick that goes around three sides of the box.

Handispenser. A durably covered carton with a dispensing slot through which the gauze roll feeds out. Cut off only what is needed, the unused roll remains clean and protected. The carton has a "non-skid" bottom—a rubber layer keeps it from slipping as the gauze is withdrawn. Refills can be purchased, for with ordinary use the carton should last at least a year.

HANDY FOLD GAUZE

Thick gauze pads, each packed in a parchmine envelope and sterilized after packing—ready-to-use sterile dressings.

HANDI-PAD GAUZE

Folded gauze pads, each in parchmine envelope, sterilized after packing. Handi-Pads are ideal for emergency sterile dressings.

Width	Ply
$4\frac{1}{2}$ "	8
9"	4
$4\frac{1}{2}$ "	4

100 sq. yds. per roll.

Grades 10 and 20 in stock. Other grades: minimum quantity per shipment 2,000 yds.

Rolls cut to any desired length, minimum quantity 2,000 yds. per size, per shipment.

$4\frac{1}{2}$ " wide, 100 yd. rolls.

Rolls cut to any desired length, minimum quantity 2,000 yds. per size, per shipment.

Each in box

Grade	Mesh
10	20x12
20	20x16

$4\frac{1}{2}$ " 8 ply dressing roll, 100 yds. long.

Grade	Mesh
10	20x12
20	20x16

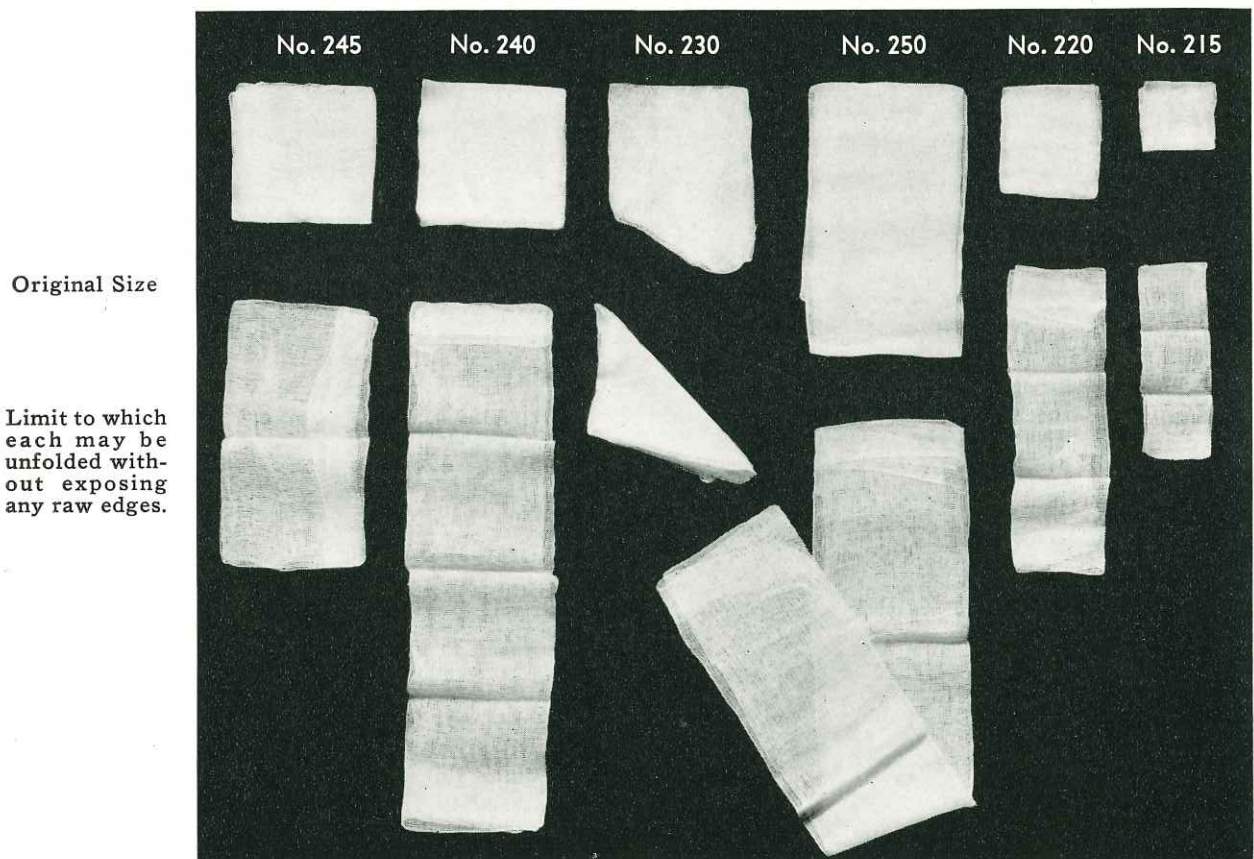
$4\frac{1}{2}$ " 8 ply dressing roll, 100 yds. long.

No. Per Carton	Size	Ply	Gauze Grade
10	4"x $4\frac{1}{2}$ "	36	30
30 }	3"x3"	24	30
100 }			

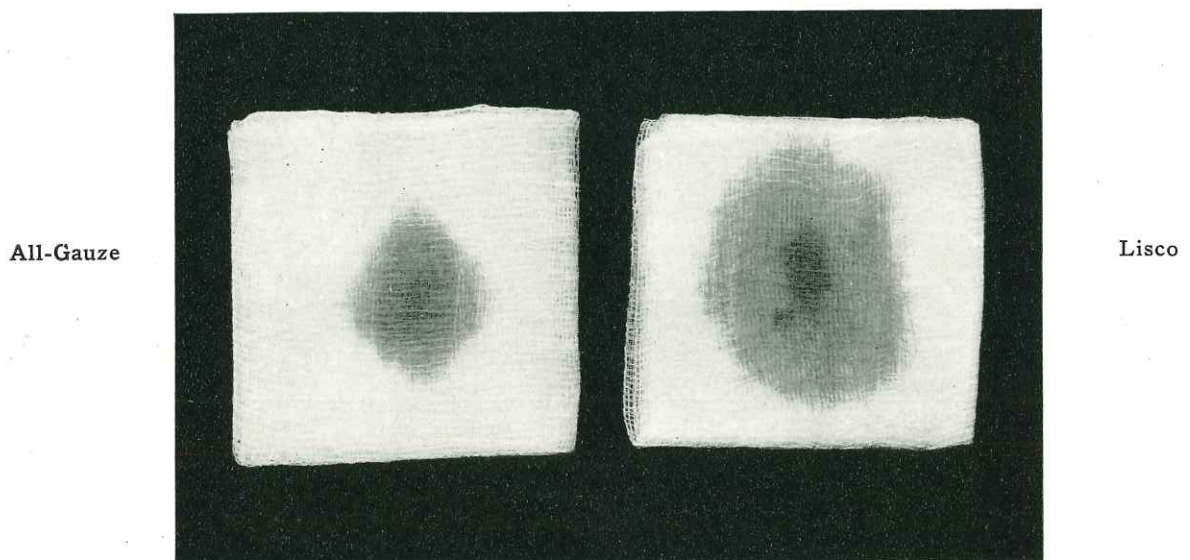
No. Per Carton	Size	Ply	Gauze Grade
6 }	3"x3"	16	10
25 }			
100 }			

DRESSING ROLLS

SURGICAL SPONGES



RELATIVE ABSORBENCY OF SPONGES



HANDY FOLD PICRIC ACID GAUZE

A ready-made emergency burn dressing, impregnated with picric acid, each in a parchmine envelope.

<i>Per Ctn.</i>	<i>Size</i>	<i>Ply</i>	<i>Grade</i>
3	3"x3"	24	30

MEDICATED GAUZE, DRY

A convenient ready-to-use dressing, particularly useful in the doctor's office or in the out-patient department.

Lengths: 1 yd. and 5 yd., 5% Iodoform.

MEDICATED GAUZE, MOIST

5% Iodoform, moist, ready to use.

Glass jars: 1 yd. and 5 yd.

SURGICAL SPONGES

One of the most important Ready-Made Dressings, a corner-stone of any program to modernize a hospital's dressings practice. These all-gauze sponges are for operating room use and for post-operative sterile dressings, wipes, etc. Their particular features are:

1. **Surgically safe**—lint and loose threads removed during manufacture, raw edges concealed even when sponges are partially unfolded, as shown in the photograph opposite.
2. **Highly Absorbent**—like all Curity gauze.
3. **Uniform**—No irregular or unusable dressings to be discarded.
4. **Variety of sizes**—six standard sizes that are easily partially unfolded or refolded to make ten additional sizes, a total of 16 useful, surgically safe sponges.

Like other Ready-Made Dressings, Surgical Sponges offer a real economy in eliminating the waste invariably associated with cutting bolt gauze. The difficulty of insuring an adequate supply of dressings during busy periods is removed—no overtime work or extra help.

<i>No.</i>	<i>Approximate Dimensions</i>	<i>Ply</i>	<i>Number Per Case</i>
250	8"x4"	12	1,000
245	4"x4"	8	2,000
240	4"x4"	16	1,000
230	Pointed	—	1,500
220	3"x3"	12	2,000
215	2"x2"	12	5,000

LISCO SPONGES

Specifically designed for post-operative dressings ("flats"), for wipes and for small absorbing dressings. Great capillarity and high absorption power are the outstanding qualities of Lisco Sponges—more speedy and more effective in drying skin surfaces and in absorbing and retaining drainage. Like the Lisco Roll, a highly concentrated web of Densor Cotton is the active absorbing element—one surface of each Lisco sponge is covered with *three* layers of gauze securely confining the cotton. The concentrated nature of the cotton web definitely reduces any tendency of the cotton fibres to escape through the gauze covering. Lisco Sponges cost less than either ready-made all-gauze sponges or the bolt gauze a hospital might buy for making gauze flats and wipes by hand!

<i>No.</i>	<i>Approximate Dimensions</i>	<i>Number Per Case</i>
350	8"x4"	1,000
340	4"x4"	1,000
320	3"x3"	2,000
315	2"x2"	5,000

A. B. D. ROLL AND PACKS

The fine-mesh A.B.D. Roll is particularly designed for vaginal packing—all raw edges are folded in. A.B.D. Packs are well-designed walling-off and saline dressings for use in the operating room. Each pack is free of raw edges, securely quilted and equipped with a long tape loop. It will launder many times.

Approximate Dimensions
A.B.D. Roll
4"x 3 yds.
A.B.D. Packs
36"x8" 18"x18"
18"x4" 12"x12"
Grade 50 gauze, 4 ply.
Packed 100 per case.

A. B. D. ROLL & PACKS

READY-CUT BANDAGE ROLLS

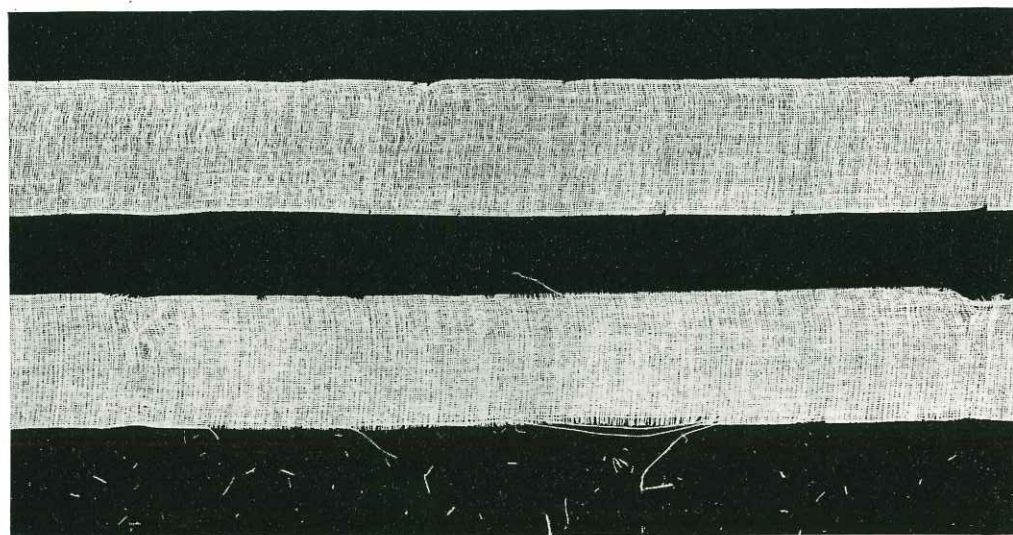


THE "SNOW STORM TEST"

as described opposite, showing the "ravel-free" Curity edge

Curity Edge

Ordinary Edge



Curity
REGISTERED
BANDAGES

Curity has made many important improvements in bandage manufacture—the ready-cut bandage, the No-Ravel “welded” edge are typical Curity developments. Today, the complete line of Curity bandages offers any desired combination of economy, convenience and quality-in-use.

READY-CUT BANDAGE ROLLS

The “No-Ravel” edge on these Ready-Cut Gauze Bandage Rolls makes them more “clean” and easier to apply. Prove this yourself by the “snowstorm” test pictured on the opposite page: take an 18” length of ordinary cut bandage roll and snap it 50 times—a snowstorm of lint and bits of thread, even long ravellings. Give a Curity Ready-Cut Bandage the same test and see its freedom from lint and ravelling.

Every bandage is protected by a paper band.

<i>Gauze Sizes:</i>		<i>Muslin Sizes:</i>
1"	2½"	2"
1½"	3"	3"
2"	4"	4"
10 yds. long.		5 yds. long.

<i>Grades</i>	<i>Mesh</i>
50	28x24
60	32x28
90	44x40
Muslin	56x60

The equivalent of 5 full-width rolls packed in carton, the unit of sale. Other sizes made to order in minimum quantities of 25 rolls per size per shipment, with a *sliced* edge. Muslin always delivered with sliced edge.

BREAK-OFF BANDAGE ROLLS

Exactly the same in every way as Ready-Cut (described above) except that the full-width bandage roll is cut and wrapped as a unit. The paper is perforated so that it is easy to “Break-Off” one bandage at a time.

<i>Sizes:</i>	
1"	3"
2"	4"
Same grades as Ready cut.	
10 yds. long.	

<i>Grades</i>	<i>Mesh</i>
50	28x24
60	32x28
90	44x40

No special widths can be supplied.

UNCUT BANDAGE ROLLS

This paper-wrapped uncut roll can be sliced in the hospital to any width desired.

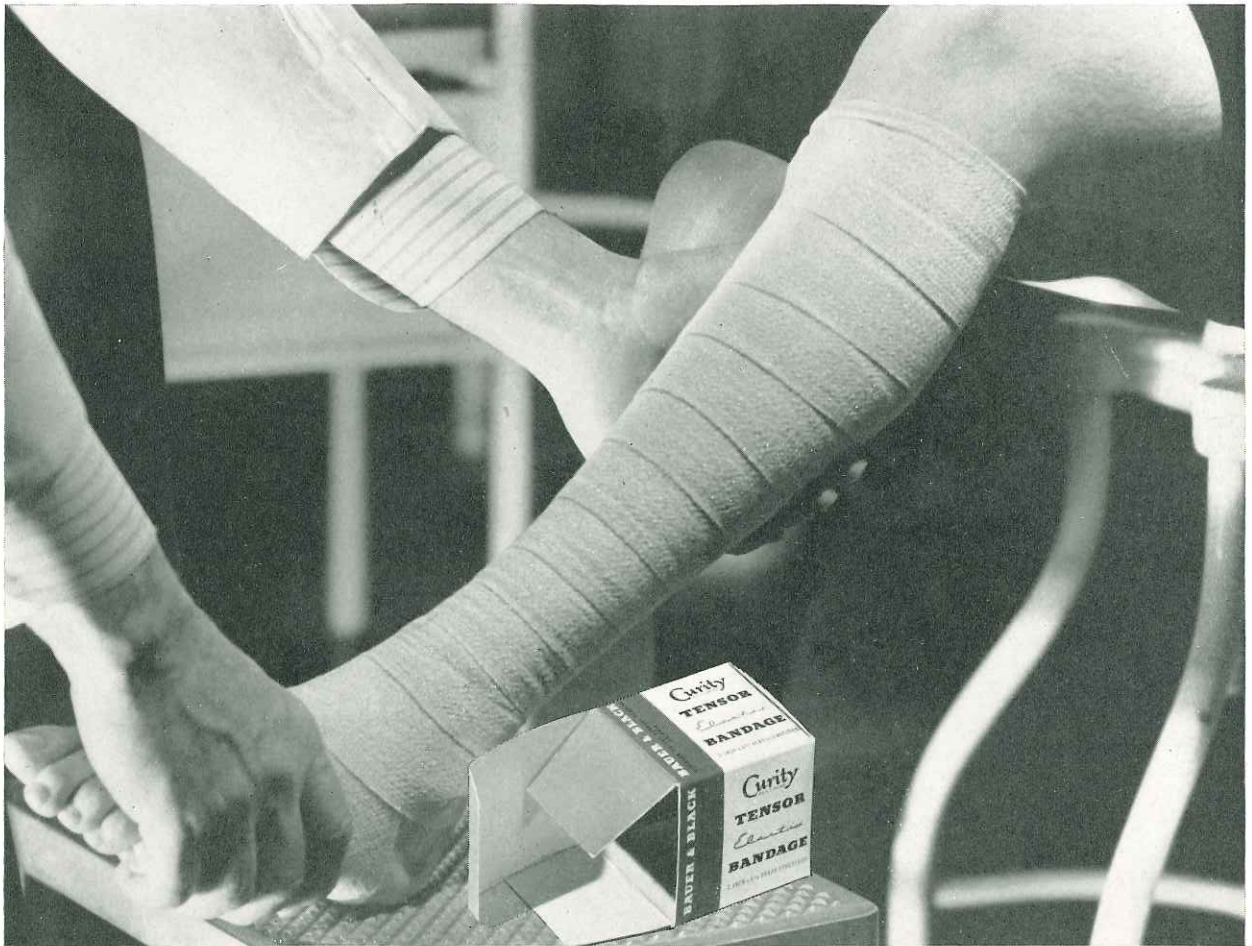
<i>Grade</i>	<i>Mesh</i>	<i>Length</i>
50	28x24	10 yds.
60	32x28	10 yds.
90	44x40	10 yds.
Muslin	56x60	5 yds.

MUSLIN BANDAGES

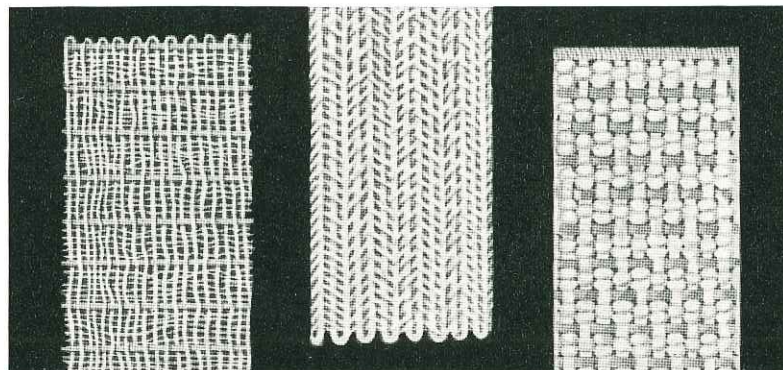
Sturdy, unbleached cloth with great strength. Each is individually wrapped and sealed.

<i>Sizes</i>	
2"	
3"	
5 yd., paper wrapped.	

TENSOR ELASTIC BANDAGE



COMPARATIVE WEAVES OF BAUER & BLACK ELASTIC BANDAGES



TENSOR

Light-weight, porous rubber-covered threads

CREPE

Light-weight, porous "over-twisted" cotton threads

WOVEN

More tightly woven cut rubber warp threads

GAUZE BANDAGES—Sterilized

Each bandage is individually packed in a carton, 12 cartons per box. The "welded edge" of this bandage is almost ravel-free. Each bandage is sterilized after packaging.

Sizes	
10 yd.	6 yd.
1"	1"
1½"	—
2"	2"
3"	3"
4"	—
10 yd. in individual cartons.	
6 yd. paper-wrapped.	

BANDAGE COMPRESSES

An emergency dressing consisting of an absorbent gauze pad to which fine-mesh gauze "tails" are sewn. The pad is placed over the wound, the tails tied tightly around the part to give compression. This Bandage Compress conforms to the U. S. Bureau of Mines standards and is sterilized after packaging.

Bandage Width	Pad Width	Length of Tails
2"	2"	48"
3"	3"	54"
4"	4"	84"
Dozen in packer.		

TRIANGULAR BANDAGES

Useful in the out-patient department and the doctor's office for binding head injuries, making an arm sling, etc. This Curity Triangular Bandage conforms to the U. S. Bureau of Mines standards.

40" open cravat fold, each in carton.

TENSOR BANDAGES

This elastic bandage combines light weight and cool porosity with a relatively wide range of possible tensions. Repeated launderings will not injure the efficiency of its cotton-covered rubber yarns. The Tensor Bandage is a neutral color—not conspicuous. It is especially designed for the treatment of varicose veins, dislocations, swellings, fallen arches, sprains, fractures, rheumatism or post-operative support.

Width	Stretched Length
2"	2¼ yds. or 5½ yds.
2½"	
3"	
4"	

CREPE ELASTIC BANDAGES

These light-weight, porous bandages are excellent for lighter strap-pings and support. They have no rubber threads, since the "over-twisted" cotton threads provide a good degree of elasticity.

Width	Stretched Length
2"	5½ yds.
2½"	
3"	

WOVEN ELASTIC BANDAGES

Tightly woven with rubber warp threads to give a high degree of compression and support.

Width	Stretched Length
2"	5 yds.
2½"	
3"	

HESIK ELASTIC ADHESIVE BANDAGE

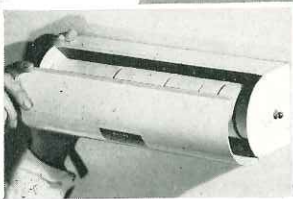
Hesik is an elastic adhesive, the plaster mass being Curity Hypo-Lergix. It combines the freedom of movement of an elastic bandage with the supporting quality of adhesive tape—retains its original even tension. Hesik Elastic Adhesive Bandage is particularly useful for strapping areas where permissible movement of the part causes a non-adhesive elastic bandage to slip out of position.

3" x 3 yds. (slack).

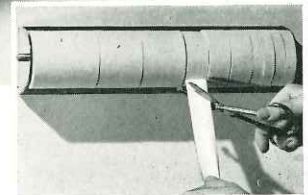
READY-CUT ADHESIVE



Handi-spool



Dust-Proof Wall Rack



Open Wall Rack

SPOOL ADHESIVE



Curity ADHESIVE

By originating a new adhesive formula—a combination of new and more highly purified ingredients—Curity developed Hypo-Lergix Adhesive (made with Formula 87). The plaster mass retains dependable adhesive qualities and has demonstrated markedly lower incidence of skin irritation. The final test series of the new formula was made on 1,022 persons to determine the incidence of irritation—mild (skin reddening) and severe (formation of papules and vesiculous inflammation). In comparison with the old formula these observations were made:

- (1) Many of these persons who usually reacted to adhesive showed no reaction at all.
- (2) Some who usually evidenced a severe reaction experienced only a mild reaction to the new mass.
- (3) Only two subjects showed severe reactions, each of which cleared up within 48 hours.

The plaster mass of Curity Hypo-Lergix Adhesive (made with Formula 87) is pure white in color, visual evidence of the improved formula. It is found on all Curity Adhesive.

Wet-Pruf backing cloth is water-resistant and can be washed. It is particularly useful on exposed parts and for applications that must be kept on for a long time.

ROLL ADHESIVE (5 yd. x 12")

Strong backing cloth, with the lessened-irritation mass—a general-purpose adhesive roll for strapping strips and odd-size pieces.

5 yd. x 12"—on crinoline. Wet-Pruf or Regular cloth backing.

READY-CUT ADHESIVE

Cut sizes, ready to use for almost any ordinary adhesive need. Most convenient when used with the various holders listed below.

10 yd. x 12"—cut to one size: $\frac{1}{4}$ ", $\frac{1}{2}$ ", 1", $1\frac{1}{2}$ ", 2", 3", 4".

Assortments in cartons:

R-1—1-1" width, 2-2", 1-3", 1-4"

R-11—4- $\frac{1}{2}$ " widths, 3-1", 2-2", 1-3"

Special cut widths and assortments supplied in minimum quantity of 25 cartons per shipment.

10 yd. x 12" uncut available.

All 10 yd. x 12" in either Wet-Pruf or Regular.

ADHESIVE HOLDERS

Well-built metal racks on which any desired assortment of cut widths can be mounted. The use of these holders makes Ready-Cut Adhesive a most convenient form for almost all hospital and doctor's office purposes. Each is illustrated opposite.

Handispool. Portable holder to accommodate 6" of assorted cuts.

Open Wall Rack. Affixed to wall or dressing table, it makes available 12" of assorted cuts.

Dust-Proof Wall Rack. The cover protects against dust—recommended for those locations where the adhesive is not used too often. Accommodates 12" of assorted cuts.

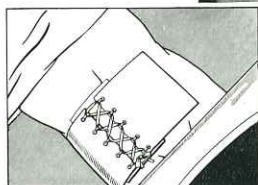
ADHESIVE

OSTIC

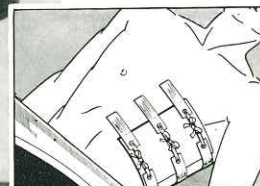
ADHESIVE TIES

DI-TAPES

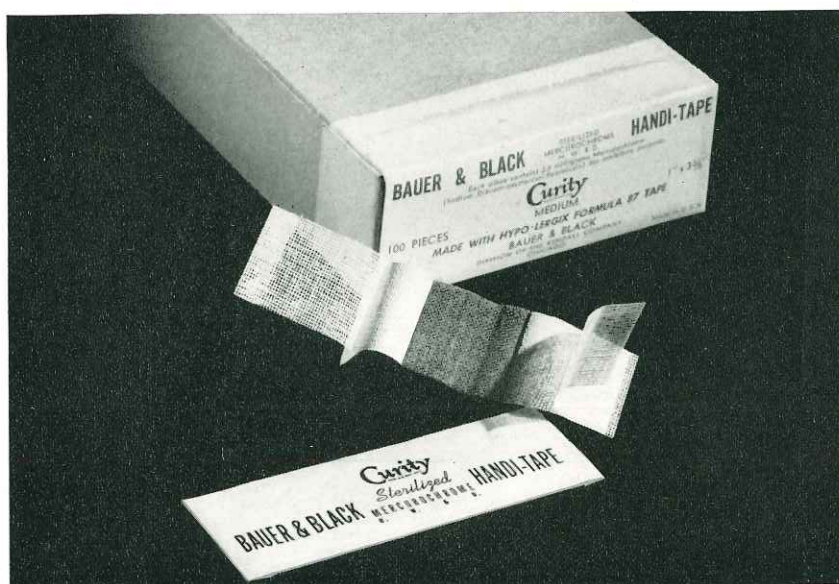
LARGE
Used as
corset



SMALL
Used as
straps



HANDI-TAPE



SPOOL ADHESIVE

Individual cuts of Regular or Wet-Pruf Curity Adhesive, each cut in a metal spool. A convenient way to carry adhesive, or to supply it in departments or offices where it is not used up quickly.

Length	Width
1 yd. x	1"
2½ yd. x	½", 1"
5 yd. x	½", 1", 1½", 2", 3"
10 yd. x	½", 1", 2", 3"

Backing-cloth: Regular or Wet-Pruf, except 1½" x 5 yd., which is Regular only.

MOLESKIN ADHESIVE

The very thick, napped backing cloth provides extra padding and protection under casts and appliances and for foot dressings.

Length	Width	Color of Cloth
5 yd. x	12"	White
1 yd. x	7"	White
½ yd. x	7"	Flesh

3" x 4" pieces, 4 in box, flesh-colored cloth.

CHIROPODIST ADHESIVE

The regular Curity Adhesive mass on felt, for orthopedic padding or podiatric cases.

1 yd. x 7" roll.
4"x4" pieces, each in box.

ADHESIVE TIES

The first ready-made Adhesive Ties were developed by Curity, for hospitals to make Montgomery tapes, chest straps, corsets, adhesive binders, etc. Dressings are quickly and easily changed without removing the adhesive, thus minimizing the danger of trauma to the skin. Curity Adhesive Ties plaster mass is Hypo-Legix (made with Formula 87). Both types are illustrated on the opposite page, and their complete specifications are as follows:

	Large	Small
Adhesive Width	5"	3½"
Non-Adh. Width	4"	2"
Total Width	9"	5½"
Fastener	Hooks	Eyelets
Spacing	every 2"	every 1¼"

Size	Width
Large	9"
Small	5½"

5 yds. long, from which any desired length is cut.

HANDI-TAPES

A ready-made gauze and adhesive dressing for small wounds and injuries. Handi-Tapes find many uses in the hospital's emergency and out-patient departments and in the doctor's office. The larger Physician's size, and the economical unit of 100 small size are particularly recommended for hospital and office use.

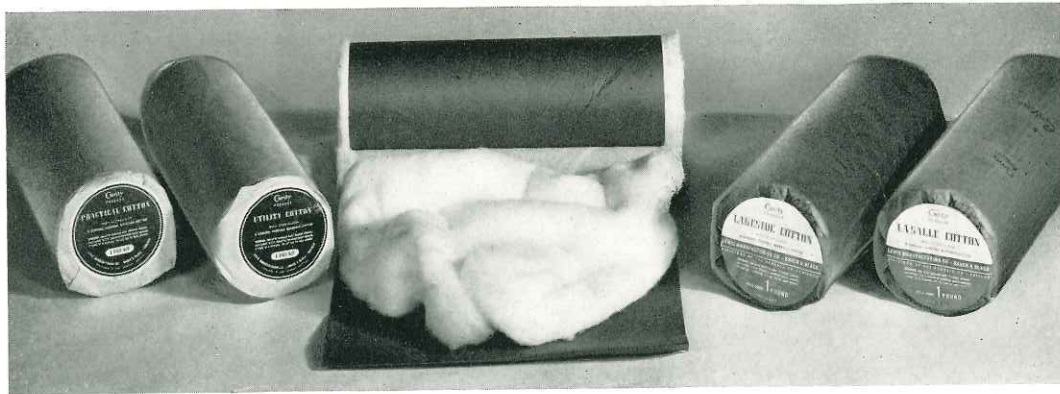
Package	Contents
Spool	60
Physician's Size	12
Regular Size	100

Pkg.	Type	Width	Gauze of and Dressing
	Adh.	Length	Plain Merc.
Spool	W.-P.	¾"x3"	N.-S.
Phys.	W.-P.	3"x6"	S. N.-S.
Reg.	W.-P.	¾"x3"	S.
	Reg.	¾"x3"	S.
	W.-P.	1"x3¾"	S.
	Reg.	1"x3¾"	S.
	Reg.	1"x3¾"	S.

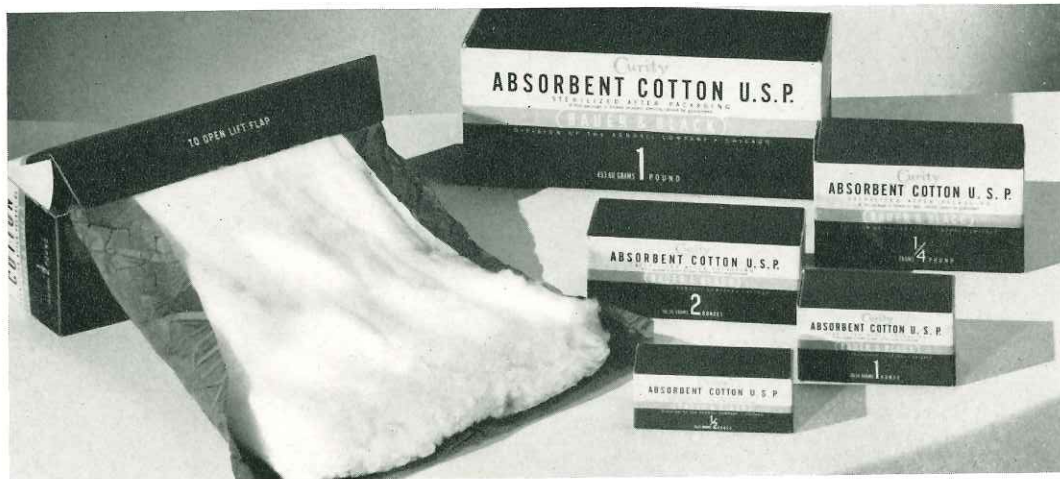
W.-P. means Wet-Pruf Adhesive; Reg. means Regular Adhesive; S. means Sterilized; N.-S. means Non-Sterile.

*Also available with Borated gauze pad.

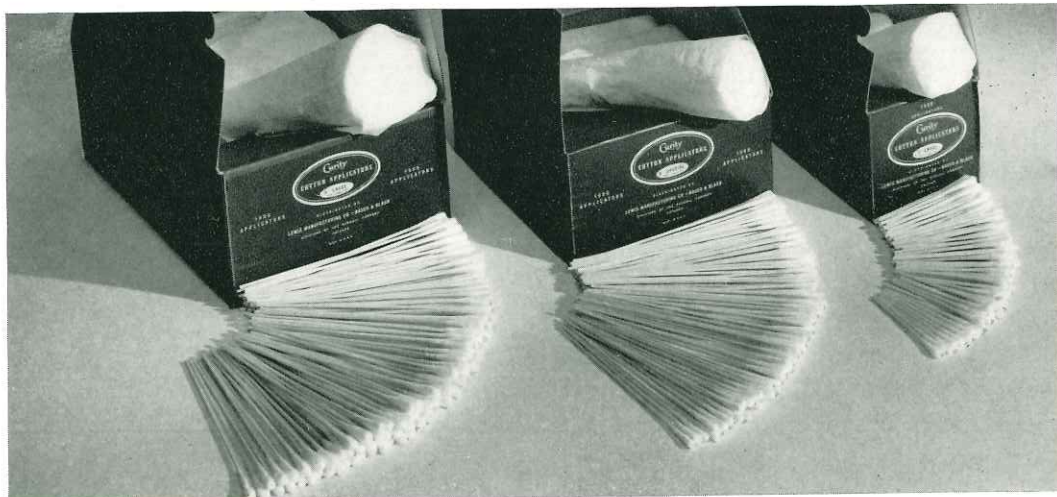
COTTON ROLLS



CURITY ABSORBENT COTTON, U.S.P.



COTTON APPLICATORS



6" Large

6" Special

3" Large

Curity REG. U.S. PAT. OFF. ABSORBENTS

Controlled absorption is particularly desirable in many hospital dressings. It is usually not enough to have a material that is "absorbent"—the dressing should actively perform some or all of these functions of *controlled* absorption:

1. Take in moisture quickly—pull drainage upward into the pad, rather than permitting it to escape from under the dressing's edge.
2. Hold the moisture within the dressing with little tendency to permit its escape at another point on the dressing's under surface.
3. Distribute moisture within the dressing to secure full utilization of the material and to encourage continued absorption.

Years of experience and continuing study make Curity technicians and production men skilled in the combining of raw materials and in processing them to secure controlled absorbency. All grades of Curity cotton and the Ready-Made Dressings used for absorbing are designed and processed to meet specific hospital needs.

COTTON

Any grade of hospital cotton must possess certain basic qualities: high absorbency, resiliency and fluffiness, uniform thickness of web, freedom from foreign substances, white color. The correct fiber lengths for various uses are important: the shorter fibers of the Practical and Utility grades make these cottons ideal for drainage and maternity pads. The softer, longer-fiber LaSalle and Lakeside grades are particularly well adapted to the making of pledgets, applicators, etc. (See next section for highest grade).

Grade	Size of Rolls
Absorbent	
Practical	1 lb. and 5 lb.
Utility	1 lb. and 5 lb.
LaSalle	1 lb. and 5 lb.
Lakeside	1 lb. only
Non-Absorbent	
Bleached	1 lb. only
Unbleached	2 lb. only

CURITY ABSORBENT COTTON, U.S.P.

The finest grade of long-staple, soft yet absorbent cotton, suitable for eye work, surgery, etc. Sterilized after packaging in carton. Conforms to the requirements of the U. S. Pharmacopoeia.

Packed in Cartons:	
1 lb.	2 oz.
½ lb.	1 oz.
¼ lb.	½ oz.

COTTON PICKER

Originally intended for the dressing table and home medicine cabinet, this handy dispensing carton is also useful in the doctor's office. The fine-quality cotton is easily pulled out through a slot in the carton, the desired amount pulled off, leaving the unused portion protected and clean in the carton.

The professional size is a smaller carton, designed for the doctor's bag.

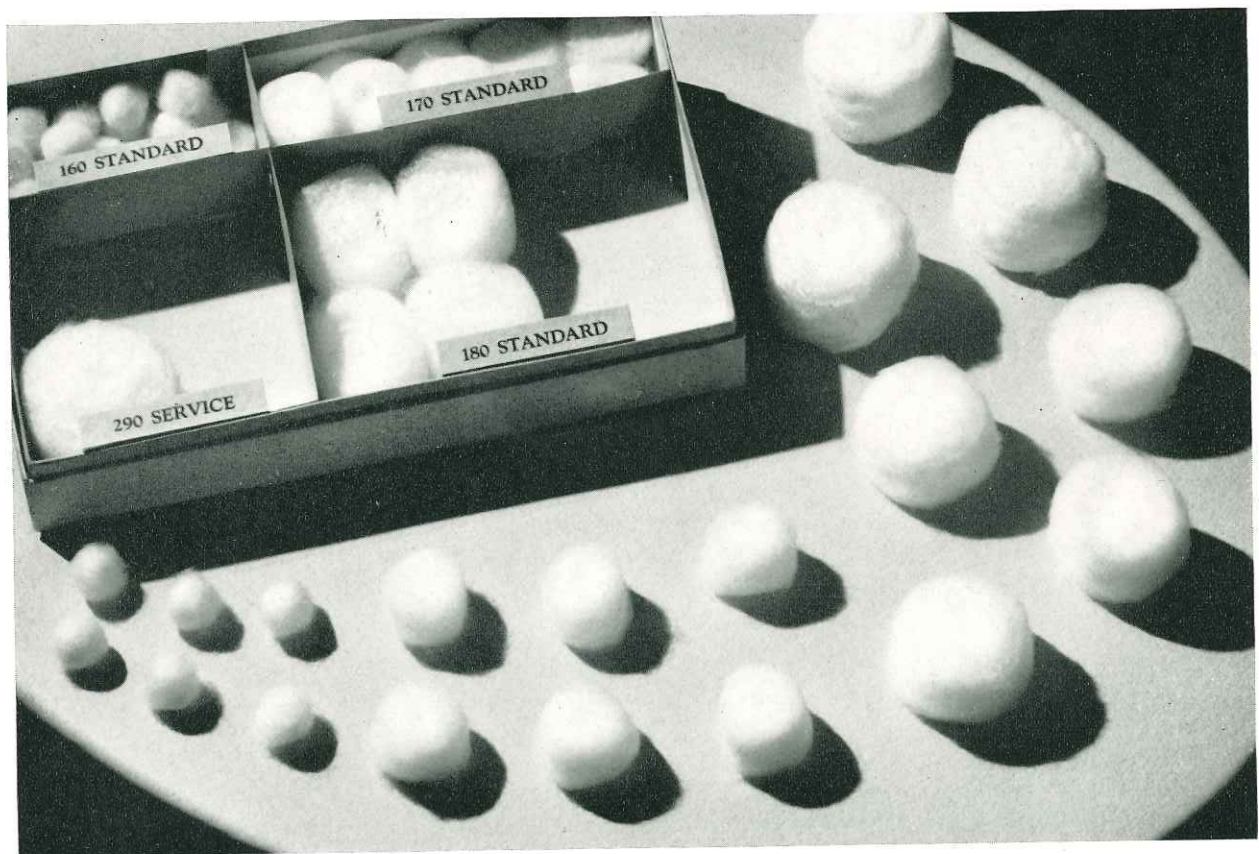
Size	Packing
Regular	12
Professional	144

COTTON APPLICATORS

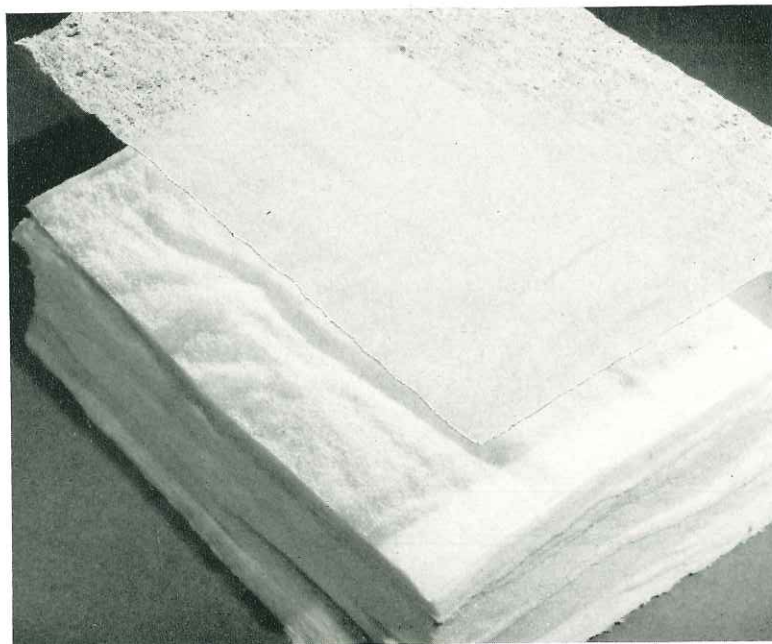
Uniform tufts of cotton firmly wound on end of smooth stick. Binder resists action of alcohol and other common medications. The 6" Special has a smaller cotton tuft to permit entrance into small passages, and to be economical of medication.

Length Of Stick	Size of Cotton
3"	Large
6"	Large
6"	Special
1,000 applicators per box.	

COTTON BALLS



CELLUCOTTON ABSORBENT WADDING



COTTON BALLS

Machine-made pledgets that are soft yet firm, tend to hold together even when saturated. These machine-made Curity Cotton Balls are hardly more expensive than roll cotton, and the four sizes meet nearly every hospital need:

Surgery: Nos. 180 and 170—pre-operative application of antiseptic to skin, eye and brain surgery, tampons, etc.

Post-Operative: Nos. 180 and 170—swabs and wipes, hypodermic and catheter trays, throat and nose swabs, etc.

Out-Patient: Nos. 180, 170, 160—swabs for cleansing and applying medication, padding and small dressings.

Maternity: Nos. 180 and 170—cleansing nipples before and after nursing. No. 290—for cleansing perineum during delivery and when pad is changed.

Nursery: Nos. 180 and 170—for applying oil, for cleansing.

	Size	No. Per Case
No. 290 (Extra Large)		1,000
No. 180 (Large)		1,000
No. 170 (Medium)		2,000
No. 160 (Small)		5,000

COMBINATION PAD (24" x 3 1/2")

This all-cotton pad is covered with economical "Pad" gauze whose over-lap in securely fastened with the Blue Seal. All sizes serve as dressings for wounds, and the 12" and 8" lengths are serviceable as tabless maternity pads for use with T-Binder. (See Abdominal Pads for new-type pad in various sizes.)

Size	Pads Per Case
24" x 3 1/2"	2 gross
12" x 3 1/2"	4 gross
8" x 3 1/2"	6 gross

CELLUC
ABSORBENT

COMBINATION ROLL

A 20-yard roll of 8" wide cotton, gauze covered—cut off any length needed for post-operative dressings. The roll is backed with non-absorbent cotton to minimize the soiling of linen by drainage coming through the absorbent cotton.

8" wide by 20 yds. long

COMBIN/
PAD &

CELLUCOTTON ABSORBENT WADDING

This is the original hospital cellulose absorbent first introduced by Curity in 1919, ever since then a most important and economical hospital absorbent for drainage dressings and maternity pads. Cellucotton Absorbent Wadding has these qualities:

- 1. Absorbent**—the highly capillary creped sheets pick up moisture quickly and distribute it within the dressings. As compared to cotton, Cellucotton absorbs fluid from 3 to 5 times faster.
- 2. Pure**—made of 100% bleached sulphite wood pulp.
- 3. Effective After Sterilization**—autoclaving does not materially affect the efficiency of Cellucotton Absorbent Wadding.
- 4. Soft and Fluffy**—makes light, comfortable dressings.

The rolls are easily cut to desired sizes with a gauze cutter or large shears, and the cut pieces can be accurately split to any thickness.

Rolls	
Size	Width
2 lb.	12"
5 lb.	24"
8 lb.	24"

COTTON

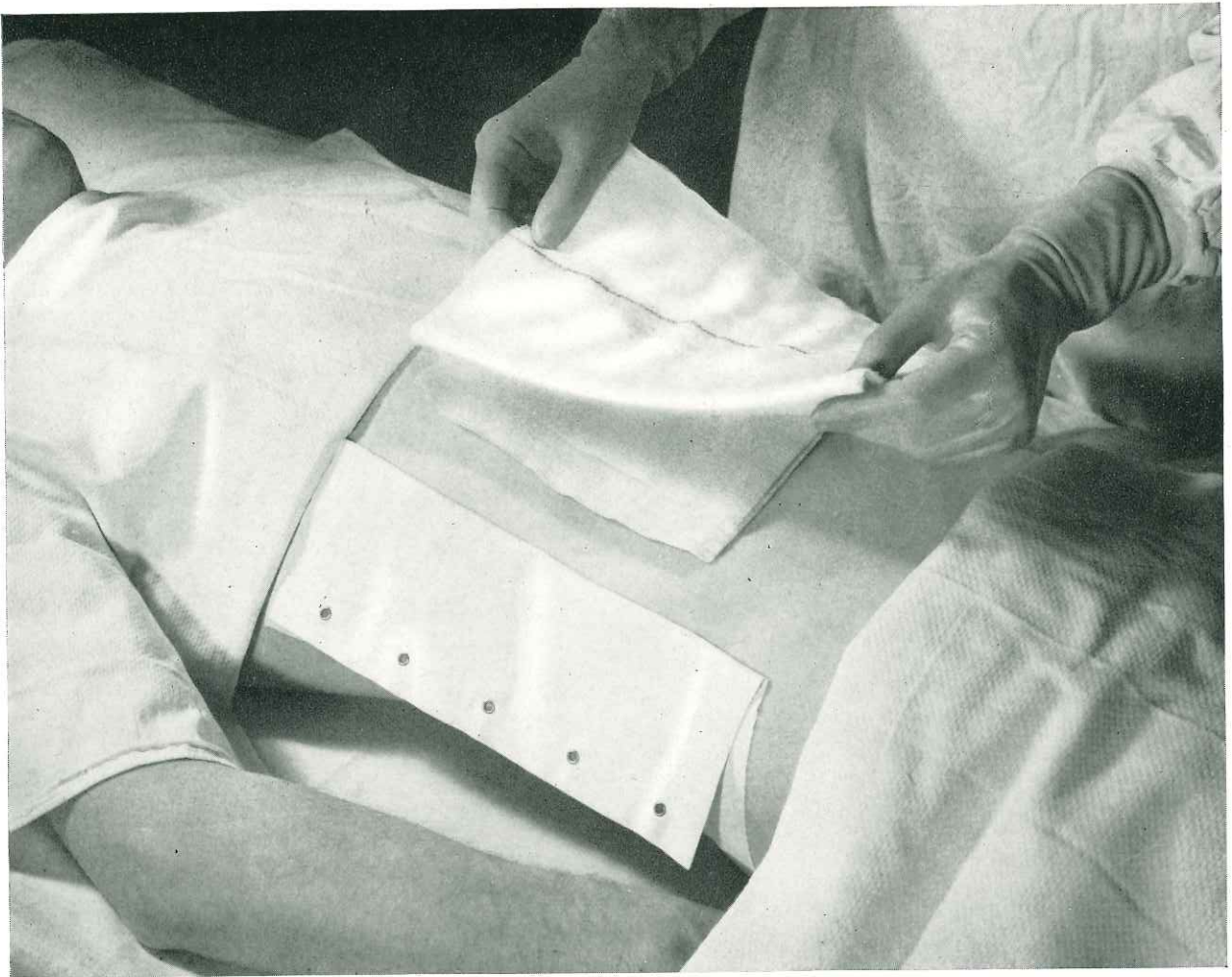
NE, OSTIC

Ready-Cut

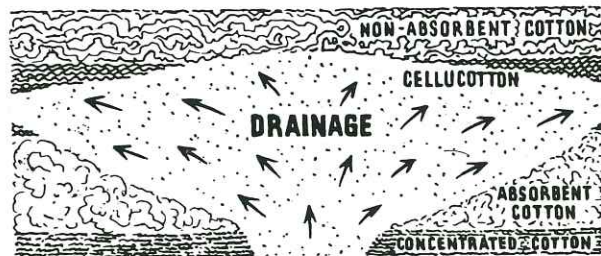
Size
30" x 24"
12" x 12"
12" x 8"
8" x 8"
9" x 3 1/8"

Packed 20 lbs. of one size per case.

ABDOMINAL PADS



Drainage Distribution
Cross Section of Used Pad



Moisture-
Resistant

Wide-spread
Capillarity

Retention
Capacity

Quick
Penetration

ABDOMINAL PADS

A drainage and post-operative pad designed by Curity to engineering specifications for these particular uses. It is made up of these materials in proper order and proportion to perform the needed functions of controlled absorbency:

(Next to patient) Concentrated Cotton for quick penetration of drainage.

Absorbent Pad Cotton for retaining drainage and for resilient protection of area from pressure.

Cellucotton Absorbent Wadding for capillarity, to diffuse drainage through this portion of the pad.

(Outer side) Non-Absorbent Cotton to hinder leakage of moisture through the outer surfaces.

The whole pad is wrapped in economical "Pad" gauze, the over-lap held securely with the Curity Blue Seal. The absorbing efficiency of this new type multiple-material pad is far greater than either cotton or cellulose alone.

Basic advantages of this new Curity Abdominal Pad were established in the laboratory, verified by clinical use on heavy drainage cases in comparison with former types of pads:

1. **Capillarity**—in ability to lift wound discharge quickly from the point of drainage, the Curity Abdominal Pad is superior to an all-cotton pad, is the equal of an all-cellulose pad.

2. **Capacity**—the new pad absorbs before leaking 26% more than cotton, about 800% more than cellulose.

3. **Retention**—having picked up drainage and diffused it within the dressing, the pad must retain this moisture. The new pad is nearly the equal of cotton in this quality, is definitely superior to cellulose.

The proper balance of absorbing properties in the three paragraphs above explains the remarkable efficiency of the Curity Abdominal Pad in use.

4. **Air Circulation**—all materials are porous.

5. **Comfort**—only cotton on the outer surface, and the resilient cotton and Cellucotton tend to relieve the tender wound area of pressure.

6. **Moisture Resistant Backing**—non-absorbent cotton backing resists penetration of moisture, so prevents soiling of binder, patient's gown and bed linen. Yet air circulates freely through the cotton, and its brown color quickly identifies the outer side.

7. **Withstands Sterilization**—does not tend to discolor, the absorbing efficiency remains high, outer cotton layer keeps soft.

8. **More Economical**—at the same price as for old-style Curity pads, the Abdominal Pad actually costs considerably less per patient. On heavy drainage cases fewer pads may be used per change, and changes may be needed less often—this means fewer pads per case, and nurses spend less time changing dressings.

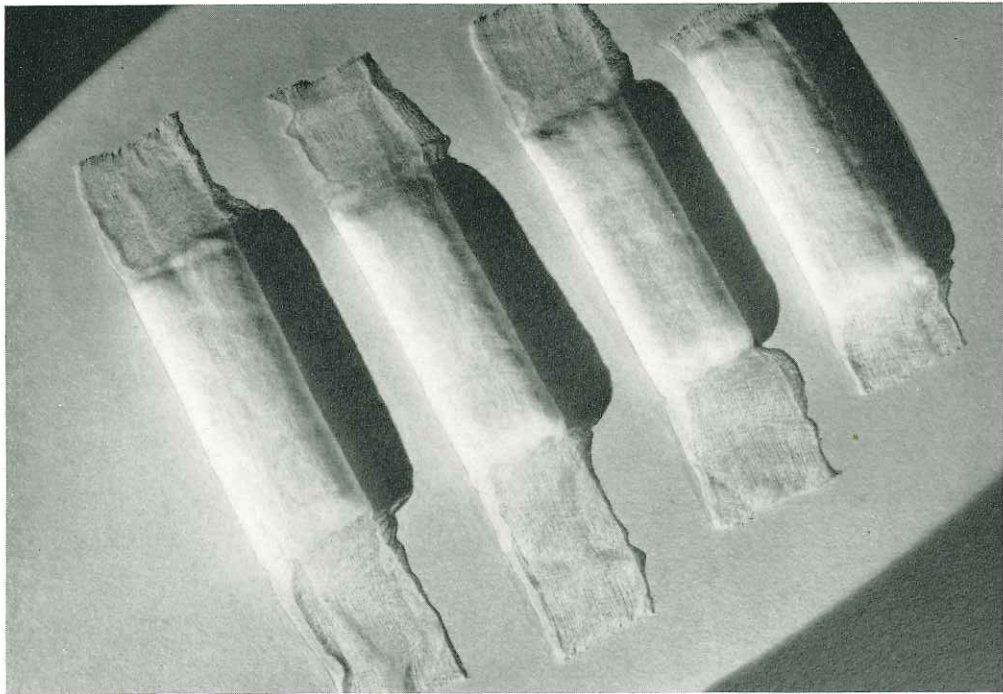
Size	Pads Per Case
30"x8"	144
24"x10"	144
24"x8"	144
16"x12"	144
12"x10"	288
10"x8"	432

ABDOMINAL

NE, OSTIC

The development of the new Curity Abdominal Pad is one of the outstanding instances of advance in Curity Ready-Made Dressings efficiency at less cost per patient.

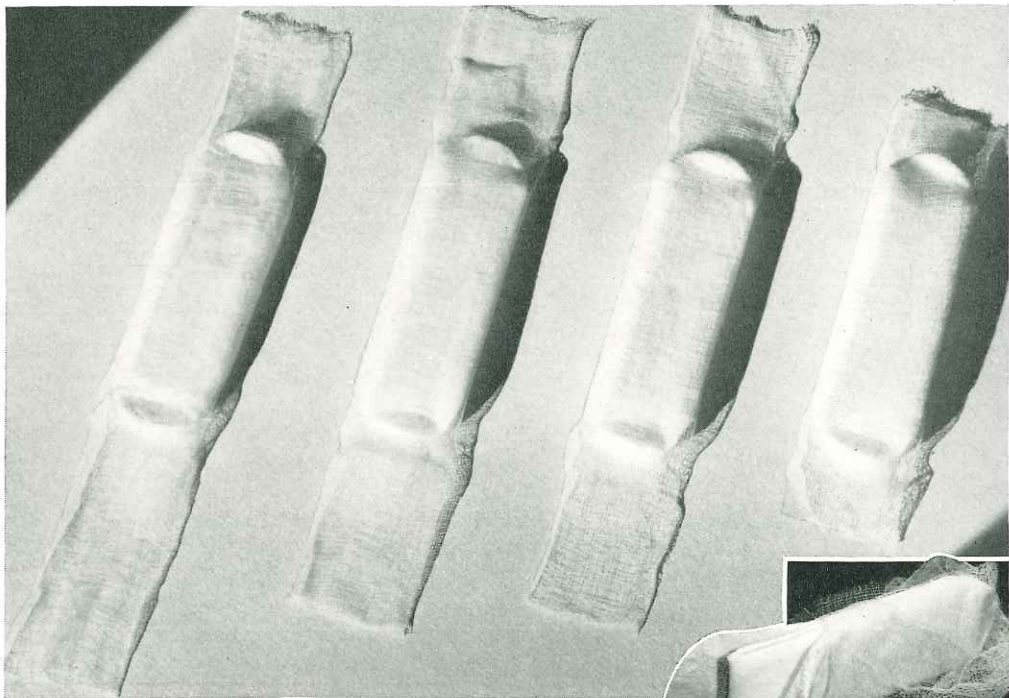
O. B. PADS



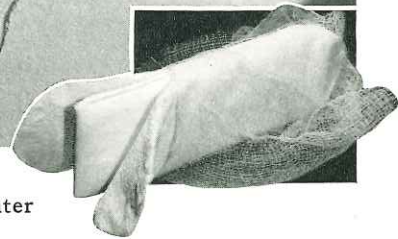
HOSPITALS

PADS

KOTEX FOR HOSPITALS



Kotex pad split to
show extra-thick center



O. B. PADS

Fine-equality cotton maternity pads. Nos. 300 and 200 are larger sizes. No. 100 is a smaller and more economical size. No. 105 has the same size pad as No. 100, but the gauze tabs are quite short—the pad is designed for use with a T-binder, and is the most economical of the cotton pads. All Curity O. B. Pads are covered with economical open-mesh "Pad" gauze.

No.	Relative Pad Size	Length of Tab
105	Maternity	Short
100	Maternity	Regular
200	Medium	Regular
300	Large	Regular

Packed 100 doz. per case, in bundles of 12.

KOTEX FOR HOSPITALS

The original cellulose napkin, introduced to hospitals by Curity in 1924. Less expensive than cotton-filled O. B. Pads, the Kotex pad has these important qualities:

1. **Excellent Absorbency:** draws up moisture rapidly, distributes it within the pad, retains it well in the extra-thick center section (illustrated opposite).
2. **Comfort:** lengthwise distribution of moisture reduces tendency of leakage at sides of pads.
3. **Sterilizes Well:** made of 100% pure sulphite pulp, there is no significant loss of absorbency after sterilization.
4. **Acceptance:** familiar to the patient and accepted as a quality pad.

The several sizes each have special advantages:

No. 605—the most economical size, with short gauze tabs for use with T-binder.

No. 603—same size pad as No. 605, but with standard length tabs. Economical "Pad" gauze covering.

No. 600—same as No. 603 except with closer-mesh gauze.

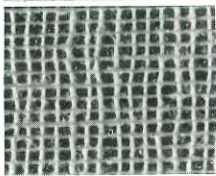
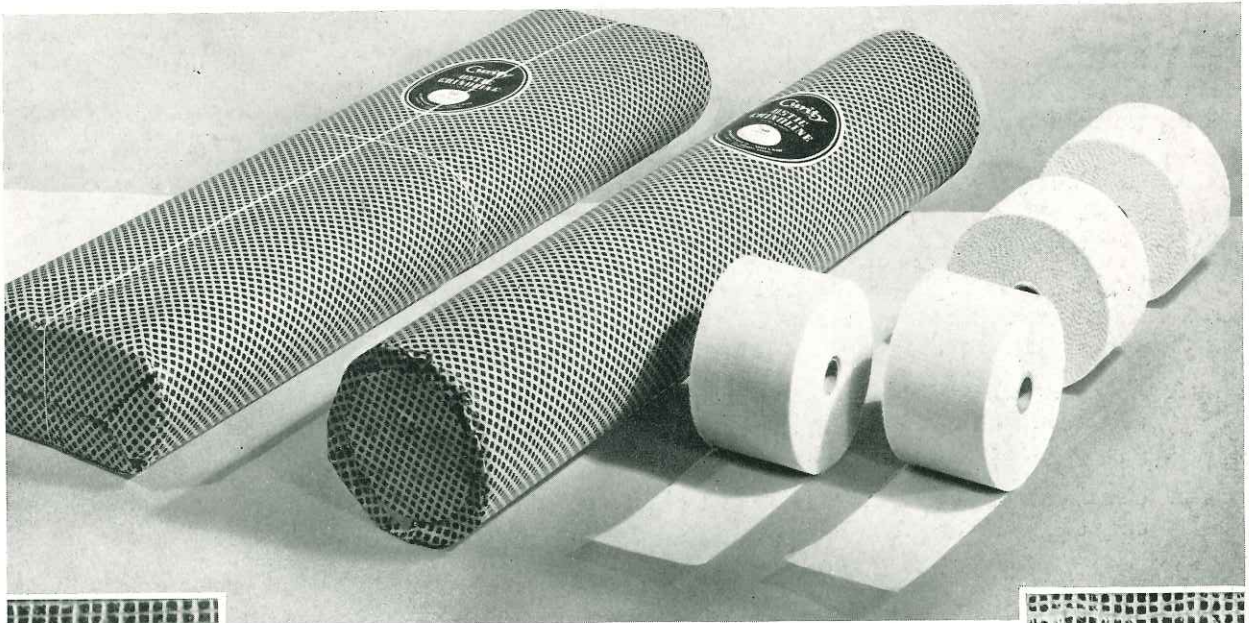
No. 403—a thicker pad with the same features as the napkin sold at retail—"Wondersoft" cotton along the edges for perfect comfort, patented "Equalizer" in center for most efficient retention, moulded "Phantom" ends to decrease bulk.

No.	Relative Pad Size	Gauze Mesh	Length of Tab
605	Maternity	14x10	Short
603	Maternity	14x10	Regular
600	Maternity	20x12	Regular
403	Regular	20x12	Regular

Packed 100 doz. per case, in bundles of 12.



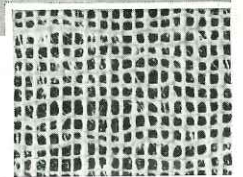
Bolts OSTIC CRINOLINE *Ready-Cut*



Open Mesh
of Ostic Crinoline

Comparative Crinoline Mesh

Partially Clogged Mesh
of Ordinary Crinoline



IR BANDAGES

HANDI-CAST BANDAGES





ORTHOPEDIC PRODUCTS

Curity orthopedic products meet nearly all needs in the making and padding of both plaster and Castex casts. Extensive research into the chemistry of plaster casts resulted in the discovery of Curity Ostic crinoline sizing and the perfecting of the Handi-Cast coated bandage. The first synthetic resin bandage for cast-making was introduced by Curity, the Castex Rigid Bandage. These and other Curity orthopedic products are discussed in the following sections.

OSTIC CRINOLINE

Ostic sizing is a patented Curity development, replacing the usual starch sizing with a stiffening agent that gives these advantages in the finished plaster bandage and in the cast:

Economy: the unclogged meshes of Ostic crinoline carry about 25% more plaster to the cast than does starch-sized crinoline (see illustrations opposite)—therefore, economy in the number of bandages and the time needed to complete the cast.

Accurate Setting Time: the Ostic sizing has no significant influence on the plaster's normal setting time.

Great Cast Strength: initially the cast sets firmly, permitting safe movement of the patient. The Ostic sizing does not hinder the evaporation of the excess water, so the set cast dries soon to final hardness.

READY-CUT OSTIC CRINOLINE

Ready-Cut Ostic crinoline is particularly convenient—cut accurately to width, and with deep-cut picot edges to minimize ravellings that interfere with quick, smooth application. It has all the advantages listed in the previous section.

REGULAR PLASTER BANDAGES

A carefully made "loose plaster" bandage, similar to the hand-made product. Plaster coverage and impregnation is done uniformly by machine. Picot-edge minimizes ravellings, and an extra amount of plaster is included in every container. Ostic sizing insures good plaster delivery and dependable setting.

HANDI-CAST PLASTER BANDAGES

Made with Ostic crinoline, this plaster bandage has features that cannot be duplicated in the hand-made bandage:

Outer Coating: seals in plaster during shipping and handling.

Perforated Core: aids in quick hydration, prevents wet bandage from collapsing or telescoping.

No Wringing Out: the Handi-Cast bandage takes in only the needed amount of water, does not contain any surplus.

The Curity Handi-Cast Plaster Bandage makes possible a clean, sure cast-making technic.

Grade	Mesh
50	28x24
60	32x28

100 yd. oval bolts, 36" wide.

Flat-fold bolts no extra charge,
500 yds. per shipment required.
Other grades, minimum quantity
3,000 yds. per shipment except
Grade 90, minimum 1,000 yds.

100 yd. by 36" rolls cut to any one
size: 3", 4", 5", 6", 8".

Other widths, minimum quantity
500 yds. per size, per shipment.

Hospital (1 dozen)

Width	Length	Width	Length
2" x 3 yds.		5" x 5 yds.	
3" x 3 yds.		6" x 5 yds.	
4" x 5 yds.		8" x 5 yds.	

Setting time approximately 10 minutes. Packed 1 doz. in sealed metal container.

Physician's (Individual)

2" x 5 yds., 3" x 5 yds., 4" x 5 yds.

Hospital (1 dozen)

Width	Length	Width	Length
2" x 3 yds.		5" x 5 yds.	
3" x 3 yds.		6" x 5 yds.	
4" x 5 yds.		8" x 5 yds.	

Setting time approximately 10 minutes. Packed 1 doz. in sealed metal container.

CRINOLINE, OSTIC

CASTEX RIGID BANDAGE



TYPICAL CASTEX APPLICATIONS

Making
Fore-Arm Cast



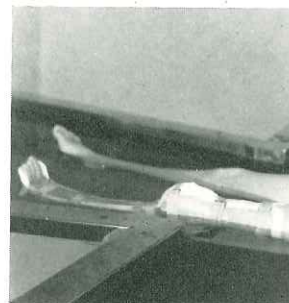
Walking Boot



Jacket



Leg Shell



CASTEX RIGID BANDAGE

Casts made from this synthetic resin are used for many types of fracture and orthopedic cases, have these qualities important to the patient and to the doctor:

Light Weight: relieves the patient of from 2/3 to 5/6 of the weight of an equally effective plaster cast. This means the patient can enjoy greater freedom of movement with little drain on strength.

Strong: successfully resists both sudden strain or sharp blow, and crushing pressure. This double strength is particularly valuable in ambulatory cases or when traction is being employed.

Waterproof: the Castex cast cannot absorb moisture—convalescent patients can bathe without regard to the cast.

Hygienic: the waterproof cast cannot absorb discharges and become odorous and weakened—particularly important when a cast is applied to a small child, or an incontinent patient.

Pervious to X-Ray: offers little more resistance than the soft tissues themselves to the making of a clear negative.

Aids Return to Normal Living: a number of these advantages combine to hasten the patient's quicker return to normal living with a lightweight, strong, waterproof cast. One Castex cast will do the whole job, while sometimes plaster casts break or soften and require replacement two or even three times. This fact, plus the Castex cast's advantages discussed above, make its cost well worth while to both doctor and patient.

Easily Fabricated: can be cut accurately, spread and slipped off a limb, the torso, or a plaster model. The Castex cast can be sewed, punched and otherwise fabricated for attaching straps, hooks, etc.

The Castex Rigid Bandage is a muslin bandage impregnated with a synthetic resin in a plastic state, then sealed in a hermetically sealed container. It is ready for use when removed from the can, and is wound on with a gauze bandage technic. As the volatile solvent evaporates immobilization is progressively obtained. The Castex Rigid Bandage is a truly effective modern cast-making material, offering worthwhile benefits over plaster and some types of semi-permanent braces.

Width		Length
1 1/4"	x	5 yds.
2"	x	10 yds.
3"	x	10 yds.
4"	x	10 yds.

Each bandage in hermetically sealed can, ready to use.

CASTEX RIGID
BANDAGE

CASTEX LACQUER

While not essential to make a rigid, waterproof cast, the Lacquer is usually used to add a smooth outer finish, and is also useful to stick on leather edging, straps, etc.

Screw-top metal cans:
8 oz. 1 qt. 1 gal.

CASTEX KNIFE

The special curved point of this knife cuts a furrow part-way through the cast. The cut is then easily completed with bandage scissors. Does away with plaster cutters and sharp-pointed knives.

High quality instrument steel, hardwood handle.

<i>Grade</i>	<i>Sheet Size</i>	<i>Sheets Per Bale</i>
Regular	36" x 6 yds.	80
Heavy	32" x 12 yds.	20

SHEET WADDING

When used as a padding under a plaster cast, splint or other appliance, these advantages are realized:

Strong: winds on with no danger of tearing.

Non-Absorbent: the cotton is non-absorbent, does not tend to mat into uncomfortable lumps.

Soft: since the cotton is non-absorbent, it is fluffy and resilient, guards against chafing and irritation.

Uniform Thickness: even when windings are over-lapped, the uniform thickness tends to eliminate uncomfortable wrinkles or bunches.

Sheet Wadding is sometimes used as a covering over a drainage or wet dressing. It is reasonably efficient in impeding the escape of moisture from the outer surface, thus protecting linen from being soiled.

ORTHOPEDIC STOCKINETTE

Super-carded yarns make this an unusually soft yet strong material for padding under plaster and Castex Rigid Bandage casts. Since Curity Orthopedic Stockinette is unbleached, it resists absorption of perspiration and remains soft and fluffy.

Diameter
2"
3"
4"
6"
11"
25 yd. rolls.

SHEET WADDING

SURGICAL MASKS



Curity REG. U.S. PAT. OFF. SPECIALTIES

SELVAGE GAUZE

A soft gauze-like strip with selvages on each side so no raw edges can shed threads into the wound or body passage. The non-sterile carton has a continuous length that dispenses through a slot in the cover, leaving the unused portion always protected and clean.

Widths: $\frac{1}{4}$ ", $\frac{1}{2}$ ", 1", 2".
Length: 5 yds. in bottle.
Plain (sterilized) or 5% Iodoform.
Non-Sterile
Widths: $\frac{1}{4}$ ", $\frac{1}{2}$ ", 1", 2".
Plain only, 100 yds. in dispensing carton.

GAUZE PACKING

Fine-mesh (28x24) gauze folded to 4-ply so no raw edges are exposed. For packing and drains.

Widths: $\frac{1}{2}$ ", 1", 2".
100 yd. rolls.

CELLUWIPES (INTERFOLDED)

The original inter-folded disposable mouthwipe, handkerchief and utility wipe. Celluwipes are soft, thin yet strong tissues specially processed from the same material as Cellucotton Absorbent Wadding. They are useful not only as a handkerchief, but as an instrument wipe, vaccination or umbilical guard, bloodcount wipe, etc. The three sizes enable you to supply an adequate quantity for various uses without inviting waste.

	<i>Sheets</i>	<i>Boxes</i>
<i>Size</i>	<i>Per Box</i>	<i>Per Case</i>
1	136	144
2	272	72
3	104	144

All boxes with slotted dispensing top, through which the interfolded Celluwipes are conveniently drawn.

CELLUWIPES

SURGICAL MASKS

This is the first commercially-made mask we know of that actually filters droplets, carriers of naso-pharyngeal bacteria. Truly efficient yet comfortable masking has been a persistent problem in the hospital's efforts to maintain an aseptic technique. Curity research indicates that a satisfactory hospital mask must *prevent* the passage of bacteria-laden droplets that are ejected even when a person talks normally.

Packed 4 dozen per carton.

After experiments with many types of deflection and filtering materials, the Curity Research Laboratories found this ideal combination: a specially woven filter fabric covered on both sides by fine-mesh gauze. The special inner fabric traps droplets, the pouch-like shape of the mask makes for comfort. Scientifically located tie-tapes keep the mask drawn tightly against the cheeks and chin, a flexible metal nosepiece moulds its upper edge tightly across the bridge of the nose and helps keep glasses from fogging.

In addition to safety, the Curity Surgical Mask has these advantages:

Always Efficient: even after long use.

Durable: carefully fabricated, will long outwear the ordinary gauze mask.

Universal Fit: pouch-like shape and over-size tailoring leaves the washed mask of ample size.

Economical: can be laundered repeatedly without losing efficiency.

Sizes

18"x36"	27"x27"
21"x40"	30"x30"

Packed in bulk, 12 doz. of a size per case.

LAYETTECLOTH DIAPERS

The first light-weight cloth diaper, originated by Curity and familiar to consumers the country over. Two layers of highly absorbent cloth are joined by a common selvage with hemless pinked ends. This truly modern diaper fabric has wide acceptance among mothers, pediatricians and hospitals because of these well-established qualities:

Absorbent: processed like Curity hospital gauze to obtain maximum absorbency, the 2-layer open mesh weave has greater and more efficient absorption than a single thick layer.

Open Weave: permits circulation of air, thus promotes healthy skin in the diaper region.

Washes Clean: the fabric does not tend to hold stains, and soap-curds can be rinsed out quickly and completely.

Light-Weight: laundry costs are figured on a per pound basis, so the light-weight Curity Diapers cost less to launder. This will mean a real saving over even a short period of time.

Long Wearing: pins go through the open-mesh cloth with less damage to threads. And there are no hems to wear and fray from repeated laundering.

Not Bulky: meet modern standards for light, less bulky infant clothing.

Soft: the Curity Layettecloth actually gets softer as a nap develops from repeated washing.

LAYETTECLOTH NURSERY PADS

Essentially the same as the Layettecloth Diaper fabric, except the two layers are joined in horizontal and vertical stripes to form a check-board pattern. This weave makes the pad more substantial as a bassinet or crib pad, and increases its resistance to wear. These Layettecloth Nursery Pads have basic advantages like those listed under Diapers—highly absorbent, wash clean, long wearing, not stiff and bulky. In comparison with heavy quilted pads, the Curity Layettecloth Nursery Pads wash clean and dry quickly, have no "stuffing" that can become disarranged and lump.

The large size has a Layettecloth center of standard crib size, with sheeting on each side to tuck in—it is ideal for cribs in the children's ward, serving as both sheet and pad and thus saving an item of laundry. The medium size makes a good cover for the bathing table. The small size is designed for the bassinet.

LAMB'S WOOL

100% virgin lamb's wool, free of wool fat yet highly resilient. Each size package contains a continuous coil.

OILED SILK

Curity oiled silk is treated with hydrogenated oils that are quite stable and oxidize but slowly. So there is little tendency for the silk to deteriorate either during storage or use.

<i>Size</i>	<i>Dimensions</i>	<i>Pads Per Case</i>
Small	17"x18"	4 doz.
Medium	18"x30"	2 doz.
Large	27"x40"	1 doz.

Packed in bulk in the units listed above.

1 lb.	1 oz.
½ lb.	½ oz.
¼ lb.	

All in carton except ¼ lb. paper-wrapped.

<i>Sheet Size</i>	<i>Packing</i>
12" x 18"	12 in carton
1 yd. x 36"	Each in carton
5 yds. x 36"	Each in carton

EYE PADS

These oval-shaped eye dressings are made of long-fiber absorbent cotton, covered with gauze on each side. They can easily be opened up and cotton removed to reduce the thickness without disturbing the shape of the pad.

Carton: 25 pads. Sterilized after packaging.

SPUTUM CUPS

A standard size white cup made of specially treated moisture-proof cardboard. They are packed flat for economical storage.

Carton: 25 or 100.

SPUTUM CUP HOLDERS

Designed to hold the standard cup, these metal holders have a hinged top which automatically closes when finger pressure is released.

Carton: 12.

BURN-A-LAY

This ointment has been carefully compounded with ingredients that perform each of the necessary functions in successful treatment of minor burns:

analgesic, almost immediate and long-lasting relief from pain,

antiseptic, to control infection

soothing, to promote healing.

This unusually effective burn ointment has already received wide acceptance among doctors and the laity. It will be found useful in the hospital, the doctor's office and the industrial first-aid room.

Hospital size, 1 lb. jars.
Large tube, 4 oz., 12 in display
packer.
Small tube, 1/8 oz., 24 in display
packer.

TOURNIQUET

This is the official U. S. Army style tourniquet—strong webbing and secure, rustless buckle.

Each in carton.

SANITARY POUCHES

A gauze pouch of approved design to absorb the discharge resulting from certain genito-urinary conditions. Strong construction permits many washings before the pouch wears out.

Carton: 6 or 12

RUBBER POUCHES

A genito-urinary bag made of rubberized moisture-proof cloth. A pad of gauze or cotton is placed inside to absorb discharges.

Carton: 12

FINGER COTS

Well-constructed muslin cots with two strong tapes for typing around the hand. Made in one size that is a nearly universal fit. Particularly useful in industrial first aid work, to give added protection over a finger bandage.

Each in envelope, dozen in carton.

BURN-A-LAY

CORRECT FITTING OF BAUER & BLACK ELASTIC STOCKINGS

The two-way stretch of Bauer & Black Elastic Stockings makes them self-adjusting within wider limits than is possible with old-fashioned one-way-stretch garments. To insure an accurate fit, follow these instructions and use the fitting chart below:

1. *Take Measurements.* In most cases the essential measurements are ankle, calf and below-knee or above-knee. Instep and knee measurements make the fitting entirely complete. The form-fitting stocking will adjust properly to other areas.
2. *Select Correct Size on Chart Below.* Here again the two-way stretch permits any one size to fit legs of varying measurements. For example, an 8½" ankle, 16¼" calf and 15" knee, in an L-1 stocking, would indicate a medium size—and a 9" ankle, 15" calf and 15½" knee would also indicate a medium L-1. NOTE: The L-2 stocking has a complete foot, to be fitted according to regular hose sizes—but to assure utmost comfort, it is wise to fit L-2 one-half size larger than regular hose.
3. *Adapt to Limb Length.* Varying length measurements may be compensated for by a larger size stocking. In fitting an extra long limb, the desired fit may be obtained by pulling the stocking up further, thereby reducing the girth proportionately. In putting on the stocking, roll it down in the hands to the ankle and slip it over the foot. Then apply gradually up the leg, stretching the stocking just enough to secure the desired fit. After the stocking is in place, it may be adjusted further by working it up and down with the palms of the hands.

MEASUREMENT CHART

All measurements in inches except foot sizes.
All measurements are circumferences except lengths and foot sizes.

Size	Points of Measurement	FITTING RANGE						
		L-1 Knee Hose	L-2 Knee Hose	L-5 Knee Hose	L-3 Garter Hose	L-6 Garter Hose	L-7 Garter Hose	L-4 Leggings
Small	B. Instep.....	7-9	7-9	7-9	7-9	7-9	7-9	
	C. Ankle.....	6½-9½	6½-9½	6½-9½	6½-8½	6½-8½	6½-9½	6½-8½
	D. Calf.....	9½-14	9½-14	9½-14	9½-14	9½-14	9½-14	9½-14
	E. Below Knee	9-14	9-14	9-14	9-13½	9-13½	9-14	9-13½
	F. Knee.....	9½-15	9½-15	9½-15				
	G. Above Knee	10½-16	10½-16	10½-16				
	*Length.....	22-18	22-18	22-18	17-14	17-14	(With 10½" Lisle Top)	11-10
	**Foot Sizes.....		8, 8½, 9					
Medium	B. Instep.....	8-11	8-11	8-11	8-11	8-11	8-11	
	C. Ankle.....	7½-11	7½-11	7½-11	7½-10½	7½-10½	7½-11	7½-10½
	D. Calf.....	11-17	11-17	11-17	11-17	11-17	11-17	11-17
	E. Below Knee	10½-17	10½-17	10½-17	10½-16½	10½-16½	10½-17	10½-16½
	F. Knee.....	11-18	11-18	11-18				
	G. Above Knee	12-19	12-19	12-19				
	*Length.....	23-19	23-19	23-19	18-15	18-15	(With 10½" Lisle Top)	12-11
	**Foot Sizes.....		9½, 10, 10½					
Large	B. Instep.....	9-13	9-13	9-13	9-13	9-13	9-13	
	C. Ankle.....	8½-12½	8½-12½	8½-12½	8½-12½	8½-12½	8½-12½	8½-12½
	D. Calf.....	13-20	13-20	13-20	13-21	13-21	13-20	13-21
	E. Below Knee	12½-20	12½-20	12½-20	12½-20½	12½-20½	12½-20	12½-20½
	F. Knee.....	13-21	13-21	13-21				
	G. Above Knee	14-22	14-22	14-22				
	*Length.....	24-20	24-20	24-20	19-16	19-16	(With 10½" Lisle Top)	13-12
	*Extra Length	27-23						
	**Foot Sizes.....		11-11½					

*Length is measured from the floor at the heel to the top of the elastic material, except L-4 which is measured from the ankle.

**Regular stocking sizes.

All in Large, Medium and Small sizes (except L-2).

No. Description and Use

L-1—Knee Hose, about the length of regular silk hose, elastic well above knee, no toe. An extra long size is available. Particularly designed for varicose conditions in the knee region.

L-2—Knee Hose, same as L-1 except full toe as well as heel. Foot sizes 8, 8½, 9, 10, 10½, 11, 11½.

L-3—Garter Hose, extends to just below knee, all-elastic except for lisle heel, no toe. Offers support for foot, ankle and lower leg.

L-4—Legging, all elastic, covers and supports from just above ankle to just below knee.

L-5—Same as L-1 except neither heel nor toe.

L-6—Same as L-3 except neither heel nor toe.

L-7—Same length as L-1 except elastic extends to just below knee, with long lisle top for garter fastening.

Complete fitting instructions and measurement chart sent on request.

Packed pair in carton.

Small, Medium and Large pouch in all models. Extra-Large pouch also available in Auto No. 16 and O. P. C. No. 2.

No. Description

AUTO—Single Strap

No. 16—pouch knitted of celanese, cotton and rubber threads.

No. 17—elastic knitted Egyptian cotton pouch.

No. 19—elastic celanese pouch.

O. P. C.—Understrap

No. 2—knitted Egyptian cotton pouch.

No. 3—white silk pouch.

Army & Navy—Double Strap

No. 70—non-elastic knitted white cotton pouch.

No. 71—non-elastic knitted Egyptian cotton pouch.

Each in carton.

ELASTIC STOCKINGS

Bauer & Black Elastic Stockings offer comfortable relief to persons suffering from surface varicose veins and lymph stasis. Knit of "Lastex," exclusive to Bauer & Black stockings, the two-way stretch construction makes them easy to fit and accurately adjustable to day-by-day variations in the individual case. Bauer & Black Elastic Stockings fit snugly and with uniform pressure to all parts of the leg, without unsightly bulges and wrinkles.

Bauer & Black Elastic Stockings are light-weight and cool, made in a neutral shade that is not conspicuous even under sheer silk hose.

Other specific quality points are these:

1. In open-toe models, the material at the toe end is turned back and interlocked. This minimizes any tendency to roll up or crease.
2. The heel is made large to minimize strain on the non-elastic heel fabric, thus increasing comfort and prolonging wear. And the heel fabric comes well above the top of the shoe, so that wear falls on the non-elastic fabric, which may be darned repeatedly.
3. The non-elastic top of knee hose is a substantial fabric with a wide hem on which garters can be fastened securely—the pull and strain of the garter comes on the double-thickness fabric.

Use of the fitting chart and directions on the opposite page will insure perfect fitting of Bauer & Black Elastic Stockings.

BAUER & BLACK SUSPENSORIES

Suspensories are sometimes needed for hospitalized patients, but are more often prescribed at the doctor's office for the treatment of venereal disease, hydrocele, orchitis, epididymitis, mumps, etc. A suspensory may also be recommended to prevent or relieve strain and fatigue.

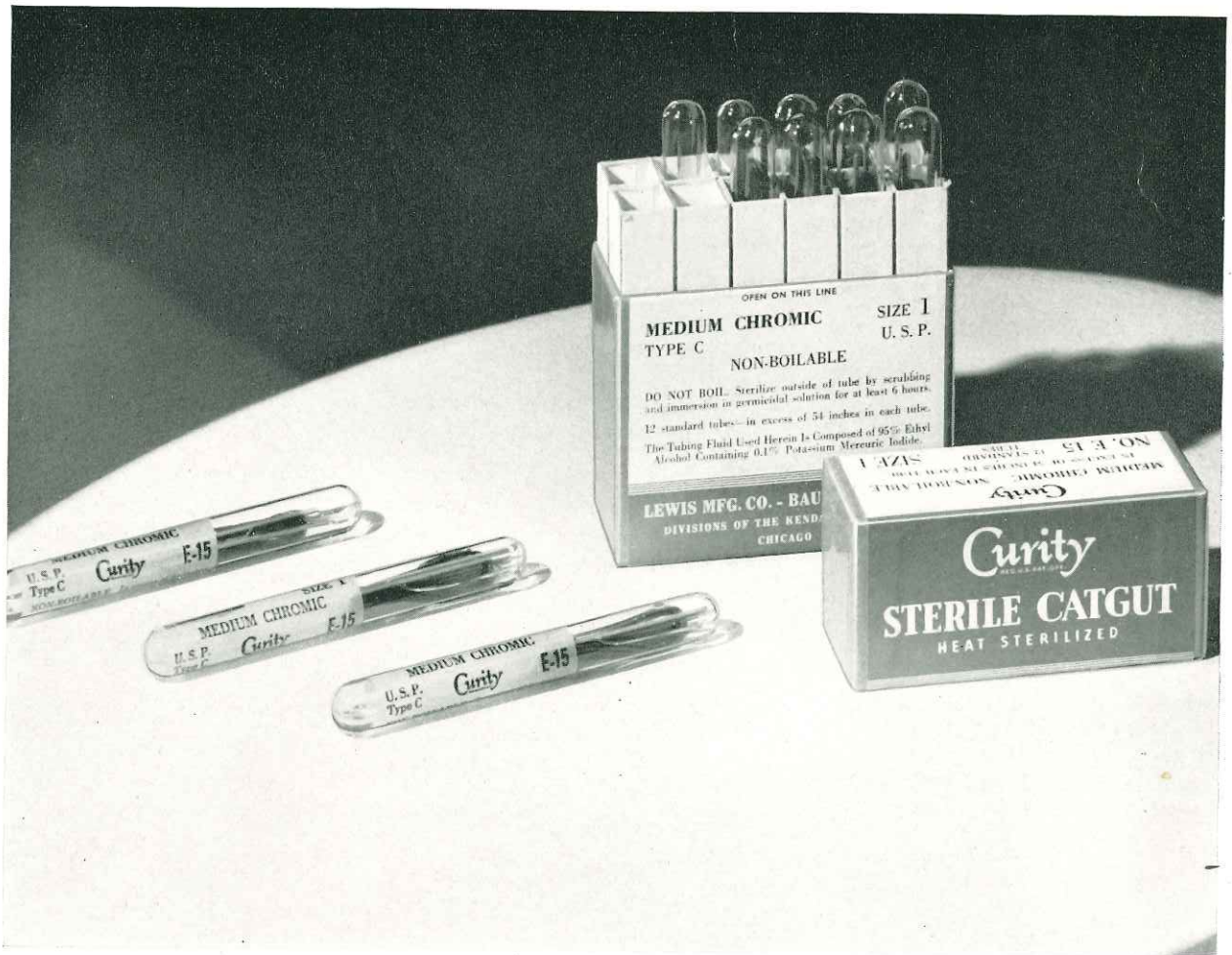
Bauer & Black Suspensories are carefully fabricated from high-quality elastic and non-elastic cloths, tailored to insure correct anatomical fit so that treatment will be carried out successfully.

There are two basic types of Suspensories:

Single Strap (Auto)—gives support without affecting movement, best suited to slender men and to men not engaged in strenuous activity.

Double Strap (O.P.C. and Army & Navy)—leg straps aid in holding pouch in place. Especially suited to medium or heavily built men, and to those men quite active physically.

CURITY SUTURES



Curity
REG. U.S. PAT. OFF.
SUTURES

In the first sections following, the many classes of Curity Sutures are catalogued and discussed from the standpoint of the material's significant merits and uses. The last section covers the general story of Curity Catgut Sutures' basic qualities, developed and maintained by the application of research findings to the control of manufacturing processes.

Code numbers identify every individual item, to insure absolute accuracy in ordering, shipping and issuing from hospital stock rooms.

This large variety of Curity Absorbable and Non-Absorbable Sutures contains a wide range of materials in many forms—nearly every suture need in the hospital and in the doctor's office can be satisfied with an appropriate Curity item.

STERILE CATGUT, U. S. P.

The basic physical properties of catgut have become quite well standardized in recent years. Leading suture manufacturers have made real progress in the routine production of good-quality, surgically safe catgut. And in 1940 the standards published in the 12th Supplement to the 11th edition of the U. S. Pharmacopoeia compelled observance of standard nomenclature and label information, and established standards for tensile strength, gauge, length and the method of testing for sterility.

What, then, is a fair basis of choice between brands, if they all must conform to these standards? Undoubtedly, a strong deciding factor will be the *extra* quality and control exercised by the manufacturer. We believe Curity has three such outstanding claims to consideration:

1. Absorption Control—extensive research on the catgut absorption phenomenon has shown us new manufacturing processes that tend to standardize better the absorption behaviour of Curity Catgut.

2. More Rigid Standards—government standards for physical characteristics are minimum standards. Curity consistently manufactures to closer tolerances that insure great dependability in use.

3. Progress Through Research—Curity conducts continuing research both in its own Laboratories and in collaboration with independent investigators, seeking better knowledge of the product that can become the basis for improved manufacturing processes and controls. Legislation can fix the minimum requirements at a certain time—but the greatest value still is in the product that has the greatest *extra* quality. Curity catgut is, we believe, such a product.

STANDARD TUBES—in excess of 54" per tube. Packed doz. in box.

Medium Extra
Plain Chromic Chromic
Sizes (Type A)(Type C)(Type D)

Code Numbers			
Non-Boilable			
5-0	—	E-10	—
4-0	—	E-11	—
000	F-12	E-12	—
00	F-13	E-13	—
0	F-14	E-14	G-14
1	F-15	E-15	G-15
2	F-16	E-16	G-16
3	F-17	E-17	—

Code Numbers			
Boilable			
000	Y-12	U-12	—
00	Y-13	U-13	—
0	Y-14	U-14	—
1	Y-15	U-15	Z-15
2	Y-16	U-16	Z-16
3	Y-17	U-17	—

SMALL TUBES—In excess of 18" per tube. Packed doz. in box.

Medium
Plain Chromic
Sizes (Type A) (Type C)

Code Numbers		
Non-Boilable		
00	F-23	E-23
0	F-24	E-24
1	F-25	E-25
2	F-26	E-26
Code Numbers		
Boilable		
00	Y-23	—
0	Y-24	U-24
1	Y-25	U-25
2	Y-26	U-26

CATGUT

ZYTOR SUTURE DISPENSING BOX



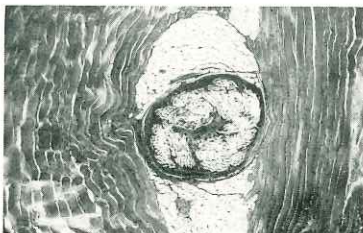
PHOTOMICROGRAPHS OF ZYTOR IN TISSUE SINGLE FILAMENT



Skin and Stay Suture

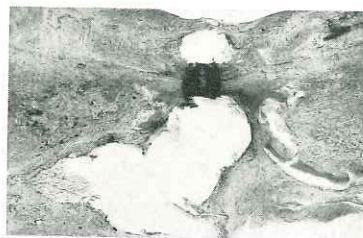
A 3-day section of a Single Filament ZYTOR suture in striated muscle. The tissue tolerates this suture material very well, as is shown by the very small number of polymorphonuclear leucocytes present and by the early onset of fibroblastic proliferation.

MULTI-FILAMENT



Buried Suture

Size 0 braided Multi-Filament ZYTOR Suture after three months' implantation as a buried suture in the gluteal muscle of a rabbit. There has been relatively little tissue infiltration into the interstices of the braid. The tissue reaction is minimal and the suture is well walled off by a thin layer of fibrous connective tissue.



Ligature

Section through ligature of 000 Multi-Filament ZYTOR on the right femoral artery of a rabbit. (A large part of the ZYTOR fibrils dropped out of this section during histological preparation.) The lumen is obliterated and on each side of the ligature appears a fairly well organized thrombus. The ZYTOR ligature has cut only slightly into the arterial wall.



Ligature

A ligature of 000 Multi-Filament ZYTOR (identified by arrows) on a horn of the rabbit uterus. The animal was sacrificed two months post-operatively. The ligature has been tied tightly to produce occlusion of the lumen, yet has cut only a small distance into the wall during the two months it has been in place.



ZYTOR SUTURES

Curity Zytor Sutures are processed from nylon, one of the most important plastics developed in recent years. First introduced by Curity in Single-Filament form for removable suturing, Zytor Sutures are now also made in Multi-Filament strands for buried suturing and ligating.

Either type of Zytor Sutures has these basic advantages, well-established in the experimental laboratory and verified clinically:

Well Tolerated by Tissues—There is very little foreign body reaction to Zytor Sutures and Ligatures, wherever placed. Photomicrographic evidence of this desirable tissue toleration is pictured opposite. They are chemically inert to body fluids and to medications.

Moisture-Resistant—Nylon is very resistant to moisture. No fiber or single filament strand of Zytor can act as a capillary agent by absorption.

Economical—Low initial cost, and Zytor Sutures may be sterilized repeatedly.

Adequate Tensile Strength—A wide margin of safety exists at the knot, whether the strand is dry or moist. Even after as many as six sterilizings, there is no significant loss of tensile strength.

Pliable and Elastic—Zytor Sutures are easily and quickly placed and tied. They do not kink, and their resiliency aids in firm yet not overly tight placement.

Uniform—Close control of gauge and strength is possible because Zytor Sutures are synthetically manufactured, not processed from an animal material.

Discussion in the following sections of each form of Zytor Sutures makes clear its merits for the replacement of all types of non-absorbable suture materials except metal wire. Great simplification of operating room technic is possible with only two non-absorbable suture materials—any nurse can quickly and accurately make this part of the operating set-up, and all-important accuracy and speed is accomplished in passing sutures to the surgeon. Experience with the Zytor Suture technic will be convincing evidence of the merits of this plan for simplified and improved non-absorbable suture technic.

SINGLE FILAMENT ZYTOR SUTURES

This material is serviceable for all removable suturing—it is equally well adapted to “stay” suturing, ordinary skin closure and the finest plastic suturing. Single Filament Zytor Sutures can replace such materials as silkworm gut, horse-hair, “serum-proof” silks, skin and retention suture materials. The Single Filament Zytor Suture’s outstanding advantages are these:

No Tissue Infiltration is possible, as the photomicrograph facing the preceding page demonstrates—the smooth, impermeable surface of the Zytor Suture strand excludes tissue.

Tissue Toleration of this inert material is excellent. Typical animal tissue sections and extended clinical experience establish this contribution of Zytor Sutures to the lessening of post-operative tissue irritation and the encouragement of uneventful healing.

Non-Capillarity is an inherent characteristic of the Single Filament Zytor strand.

Uniform Gauge and Tensile Strength is assured because the

Standard Tubes, Sterile—Approximately 40" per tube. Packed doz. in box.

Sizes	Code Numbers
	<i>Boilable</i>
4-0	R-11
000	R-12
00	R-13
0	R-14
1	R-15
2	R-16

Dispensing Boxes, Non-Sterile—1 strand of approximately 50 yards.

Sizes	Code Numbers
5-0	R-50
4-0	R-51
000	R-52
00	R-53
0	R-54
1	R-55
2	R-56

(See *Emergency Sutures*, page 47)

*Dispensing Boxes,
Non-Sterile—
1 strand of approximately
50 yards.*

Sizes	Code Numbers
5-0	R-00
4-0	R-01
000	R-02
00	R-03
0	R-04
1	R-05
2	R-06
4	R-08

DERMAL

*Standard Tubes, Sterile—
Approximately 60" per
tube. Packed 6 in box.*

Sizes	Code Numbers
	<i>Boilable</i>
4-0	H-11
000	H-12
00	H-13
0	H-14

*Small Tubes, Sterile—Ap-
proximately 20" per tube.
Packed 6 in box.*

Sizes	Code Numbers
	<i>Boilable</i>
4-0	H-21
000	H-22
00	H-23
0	H-24

*Envelopes, Sterile — Ap-
proximately 40" per env.
Packed doz. in box.*

Sizes	Code Numbers
4-0	H-41
000	H-42
00	H-43
0	H-44

*Boxes, Non-Sterile — 10
strands per box, each
strand approx. 190".*

Sizes	Code Numbers
4-0	H-51
000	H-52
00	H-53
0	H-54

*(See also Skin Sutures,
page 45 and Emergency
Sutures, page 47)*

(Continued on page 41)

Zytor Suture strand is manufactured under me-
chanically controlled conditions.

Basic Advantages as discussed on page 39.

The non-sterile dispensing box pictured on page 38 is a particularly convenient and economical package for the operating room. The Zytor strand dispenses from the slotted box, the unused portion remaining undisturbed and protected inside the unopened box.

MULTI-FILAMENT ZYTOR SUTURES

This form of Zytor can be used to advantage wherever any form of silk has been the buried suture of choice, and it is well adapted to the ligating of blood vessels or tissue masses. Multi-Filament Zytor Sutures can replace such materials as plain and "serum-proof" silks, cotton and linen.

The Multi-Filament Zytor Suture's outstanding advantages are these:

As a buried suture:

Well Tolerated with a minimum of tissue reac-
tion, an encouragement to normal wound healing.

Suture Fixation by means of new connective tis-
sue high in collagen yet no excessive tissue infil-
tration.

As a ligature:

Occludes without undue cutting.

Holds Necessary Tension to permit the perma-
nent formation of the desired new structure.

Basic advantages as discussed on page 00

The non-sterile dispensing box is the same one
explained in the Single Filament Zytor Suture
section.

DERMAL AND TENSION

These non-absorbable removable sutures, long a
standard for skin and stay suturing, are made of
silk fibers impregnated and covered with a protein
covering. The smaller sizes 4-0 through 0 are
termed Dermal, for skin closure. The larger Ten-
sion sizes 1, 2, 3 are used for retention sutures
and for obstetrical repairs. The violet color of
Curity—Bauer & Black Dermal and Tension
makes the strands easily visible in scar tissue.

The chief merits of Dermal and Tension are these:

Non-Capillary—Being covered with a protein,
infection cannot travel along the suture line.

Smooth—The hardened coating is quite smooth,
does not permit tissue infiltration. Curity Dermal
and Tension does not tend to crack or split during

manipulation, when moistened. It is easily removed with a minimum of trauma.

Good Tensile Strength—Each size will withstand greater tension than is demanded by any use to which the surgeon puts it.

The non-sterile boxes are most economical for operating room use.

SILKWORM GUT

Curity maintains a high standard for its silkworm gut. Strands are carefully inspected and packed to eliminate defective pieces.

HORSEHAIR

Fine-quality, carefully inspected black strands.

SURGICAL SILK

Specially manufactured to surgical standards, Curity Surgical Silk is uniform in gauge, consistently high in tensile strength. It is made in both black and white, twisted and braided. The non-sterile spools are most economical for operating room use.

UMBILICAL TAPE

This cotton tape is $\frac{1}{8}$ " wide, woven to resist curling when under tension. Two 16" ties are packed in each tube or envelope, ready to use for a home or hospital confinement. Many hospitals find it more economical to prepare the individual ties from the large non-sterile bottle.

TENSION

Standard Tubes, Sterile—Approximately 60" per tube. Packed 6 in box.

Sizes	Code Numbers
	Boilable
1	I-15
2	I-16
3	I-17

Small Tubes, Sterile—Approximately 20" per tube. Packed 6 in box.

Sizes	Code Numbers
	Boilable
1	I-25
2	I-26
3	I-27

Small Tubes, Sterile—Approximately 14" per tube. Packed doz. in box.

Sizes	Code Numbers
	Boilable
000	S-22
00	S-23
0	S-24

Tubes, Sterile—2 black strands per tube, each approximately 20", boilable. Packed doz. in box.

Size	Code Number
Approx. 000	T-22

(See *Emergency Sutures*, page 47)

Small Tubes, Sterile—Twisted, white silk, approximately 20" per tube. Packed doz. in box.

Sizes	Code Numbers
	Boilable
000	K-22
0	K-24
2	K-26

Cards, Non-Sterile—Packed doz. in box.

Sizes	Code	Approx. Length
		White—Twisted
000	K-62	5 yds.
0	K-64	5 yds.
2	K-66	3 yds.
		Black—Twisted
000	L-62	5 yds.
0	L-64	5 yds.

Envelopes, Sterile—Approximately 20" per envelope. Packed doz. in box.

Sizes	Code Numbers
1	I-45
2	I-46
3	I-47

Boxes, Non-Sterile—10 strands per box, each approximately 190".

Sizes	Code Numbers
1	I-55
2	I-56
3	I-57

(See *Emergency Sutures*, page 47)

Boxes, Non-Sterile—100 strands per box, each approximately 14".

Sizes	Code Numbers
000	S-52
00	S-53
0	S-54
1	S-55

(See *Emergency Sutures*, page 47)

Spools, Non-Sterile—Approximately $\frac{1}{2}$ oz. per spool.

Sizes	Code Numbers	Approx. Yds. per
		White Black Spool
		Twisted
000	K-72 L-72	475
00	— L-73	325
0	K-74 L-74	210
2	K-76 L-76	120

				Braided
00	M-73	N-73	200	
1	M-75	N-75	105	
4	M-78	N-78	55	

(See *Emergency Sutures*, page 47)

approximately 16". Packed doz. in box.

Code Number
O-40

Bottle, Non-Sterile—Approximately 24 yds. per bottle.

Code Number
O-70

Tubes, Sterile—2 strands per tube, each approximately 16". Packed doz. in box.

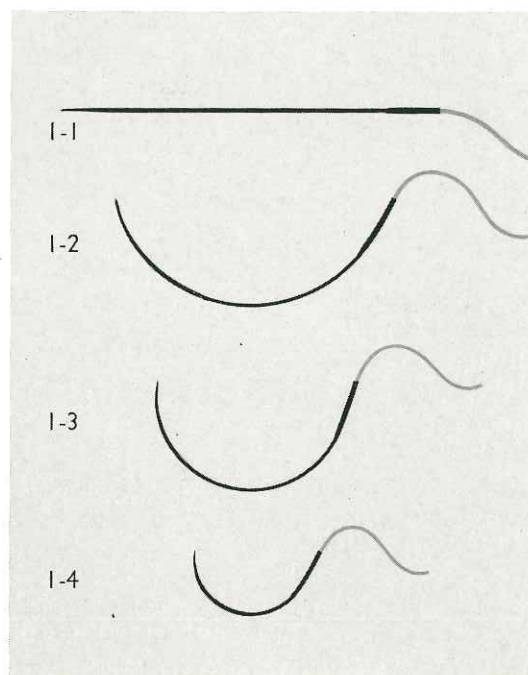
Boilable Code Number
O-10

Envelopes, Sterile—2 strands per envelope, each

GASTRO-INTESTINAL SUTURE NEEDLES

EYELESS NEEDLES

<i>Needle No.</i>	<i>Description</i>	<i>Point</i>	<i>Length</i>
1-1	Straight Intestinal	Taper	2 inches
1-2	$\frac{3}{8}$ Circle Surgeon's	Taper	2 inches
1-3	$\frac{1}{2}$ Circle Intestinal	Taper	$1\frac{3}{4}$ inches
1-4	Small $\frac{1}{2}$ Circle Intestinal	Taper	$1\frac{1}{8}$ inches





SPECIALTY SUTURES

There are a large number of Curity Sutures ready to use—the appropriate gauge and type of suture material is attached to the correct needle. Many of these Specialty Sutures are standard operating room items—Gastro-Intestinal, Obstetrical, Circumcision, etc. Others are most useful in the emergency room and in the doctor's office and bag—Skin, Emergency Sutures, etc. Each is discussed in detail in the following sections:

GASTRO-INTESTINAL SUTURES

These eyeless needles have the catgut strand carefully swaged on, so the diameter of the needle is almost exactly that of the catgut. The needles are high-quality steel, with a slightly flattened shank to provide a firm grip for the forceps. Extra chromic catgut is used because the gastro-intestinal tract tissues are particularly active in absorbing less resistant types of catgut. Curity extra chromic resists their action until union should be securely accomplished, then digests. The five types of Curity Gastro-Intestinal Sutures will meet nearly every need and technic.

Sterile Catgut U.S.P., Extra Chromic (Type D), in excess of 28" per tube. Packed doz. in box.

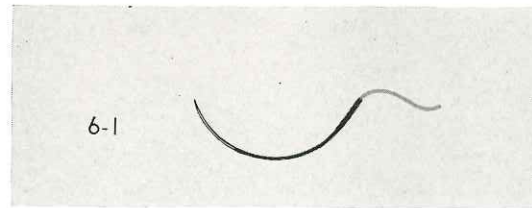
Eyeless Needles	Sizes	Code Numbers	
		Non-Boil-able	Boil-able
1 Straight (No. 1-1)	4-0	V-51	—
	000	V-52	—
	00	V-53	J-53
	0	V-54	J-54
	1	V-55	J-55
2 Straight (No. 1-1)	00	V-63	—
	0	V-64	—
	1	V-65	—
3/8 Circle (No. 1-2)	00	V-33	—
	0	V-34	—
	1	V-35	—
1/2 Circle (No. 1-3)	00	V-03	J-03
	0	V-04	J-04
	1	V-05	J-05
Small 1/2 Circle (No. 1-4)	4-0	V-41	—
	000	V-42	—
	00	V-43	J-43
	0	V-44	J-44

Note—these items ready for shipment about Nov. 10, 1941: V-41 and -42, V-51 and -52.

CIRCUMCISION SUTURE NEEDLE

EYELESS NEEDLE

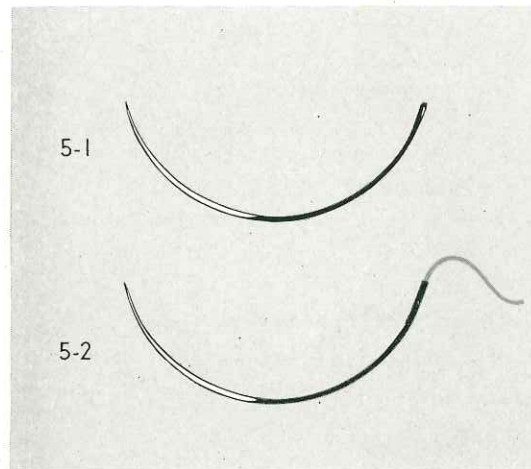
Needle No.	Description	Point	Length
6-1	$\frac{3}{8}$ Circle	Cutting	22 mm.



OBSTETRICAL SUTURE NEEDLES

EYELESS AND EYED NEEDLES

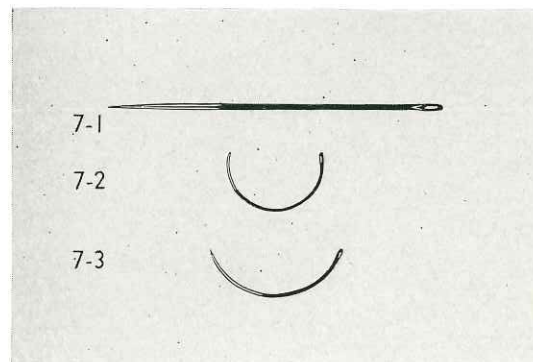
Needle No.	Description	Point	Length
5-1	Full Curved, Cutting Oval Eye		2 $\frac{1}{4}$ in.
5-2	Full Curved, Cutting Eyeless		2 $\frac{1}{4}$ in.



SKIN SUTURE NEEDLES

EYED NEEDLES

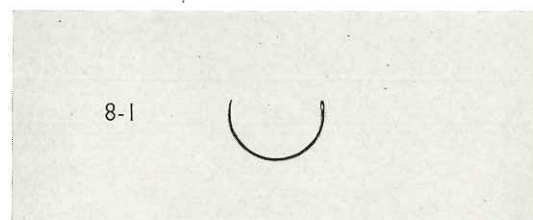
Needle No.	Description	Point	Length
7-1	Straight	Triangular	1 $\frac{3}{4}$ in.
7-2	$\frac{1}{2}$ Circle	Cutting	21 mm.
7-3	$\frac{3}{8}$ Circle Surgeon's	Cutting	24 mm.



DENTAL SUTURE NEEDLE

EYED NEEDLE

Needle No.	Description	Point	Length
8-1	Small $\frac{1}{2}$ Circle	Taper	1 $\frac{1}{8}$ inches



CIRCUMCISION SUTURES

The standard fine needle is eyeless, to minimize trauma, and the range of catgut sizes should satisfy every requirement. These sutures are ideal both for hospital and home procedure.

Sterile Catgut U.S.P. Plain (Type A), in excess of 28" per tube. Packed doz. in box.

Code Numbers			
Non-			
Sizes	Boilable	Boilable	
3/8 Circle 000	V-222	—	
Eyeless 00	V-233	J-233	
Needle 0 (No. 6-1)	V-244	J-244	

OBSTETRICAL SUTURES

The sturdy eyed needle is particularly well adapted to repair of the perineum and vaginal wall. A choice of catgut or non-absorbable Tension (see page 40) is offered. Curity Obstetrical Sutures are useful in the hospital delivery room, indispensable in home confinements.

Obstetrical Suture, Sterile Catgut, U.S.P., Extra Chromic, (Type D), in excess of 28" per tube. Packed doz. in box.

Code Numbers			
Non-			
3/8 Circle Needle Size	Boilable	Boilable	
Eyed (No. 5-1) 3	V-67	J-67	
Eyeless 2	V-76	—	
(No. 5-2) 3	V-77	—	

Note—V-76 and 77 ready for shipment about Nov. 10, 1941.

Obstetrical Suture, Sterile Tension, approximately 30" per tube. Packed doz. in box.

Code Number		
Size	Boilable	
3/8 Circle Eyed Needle (No. 5-1) 2	J-06	

SKIN SUTURES

The finer sizes of non-absorbable Dermal Sutures (see page 40), already threaded on any of three small skin needles. Invaluable for the quick repair of injuries in the doctor's office or the hospital's emergency room.

Dermal, approximately 30" per tube. Packed 6 in box.

Code Numbers		
Eyed Needles	Sizes	Boilable
Straight (No. 7-1)	4-0 000	J-71 J-72
Small 1/2 Circle (No. 7-2)	4-0 000	J-81 J-82
3/8 Circle (No. 7-3)	4-0 000	J-91 J-92

DENTAL SUTURES

An approved needle already threaded with plain catgut.

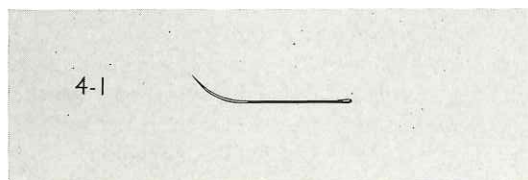
Sterile Catgut U.S.P., Plain (Type A), in excess of 18" per tube. Packed 6 in box.

Code Numbers		
Sizes	Boilable	
Small 1/2 Circle Eyed Needle (No. 8-1)	000 00	J-12 J-13

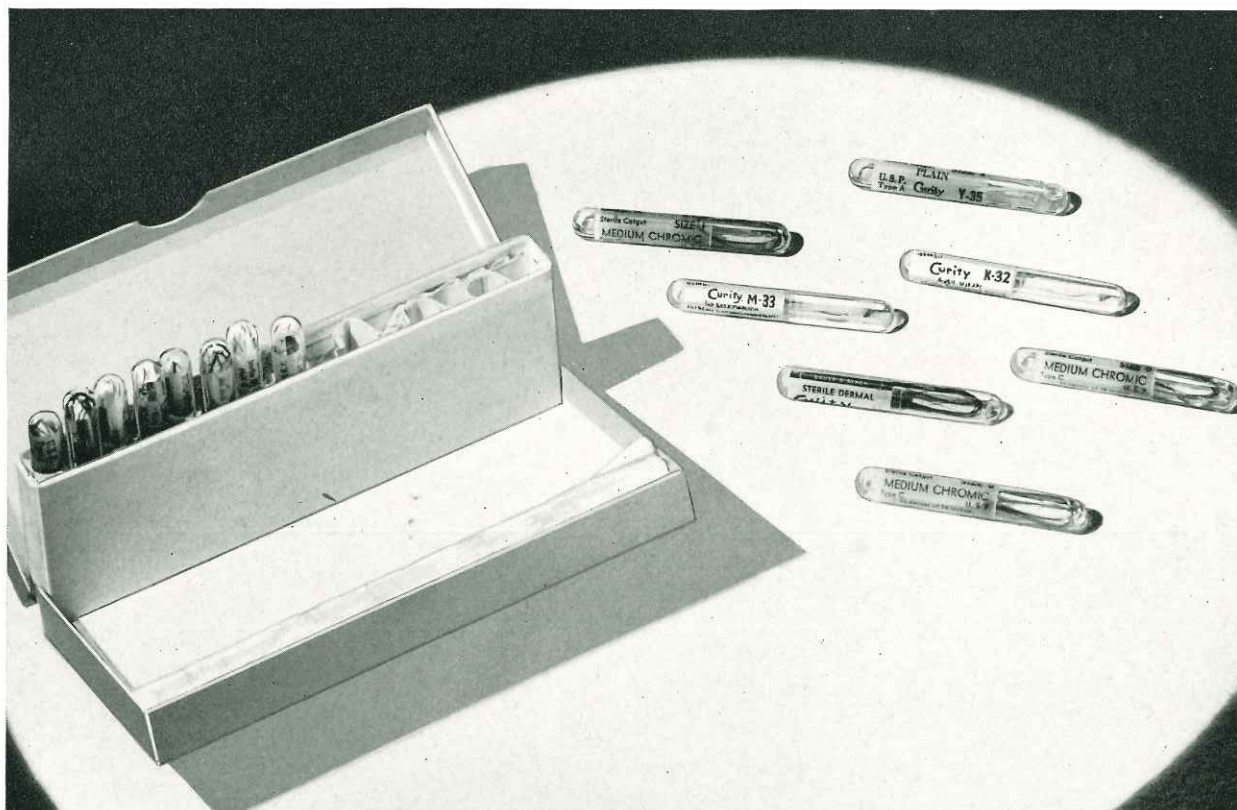
EMERGENCY SUTURE NEEDLES

EYED NEEDLE

<i>Needle No.</i>	<i>Description</i>	<i>Point</i>	<i>Length</i>
4-1	Universal 1/2 Curved	Cutting	22 mm. to 1 13/16" (Varies with suture gauge)



EMERGENCY PACKET



EMERGENCY TUBES

This large assortment of absorbable and non-absorbable suture materials comprises a basic suture supply for the hospital's emergency room and for the doctor's office. Each tube contains a universal, half-curved needle already threaded with the suture strand, ready to use. All tubes may be sterilized by boiling or autoclaving, or by immersion in germicidal solution.

For detailed discussion of the various suture materials, see the sections preceding that are devoted to them.

All items with universal half-curved eyed needle No. 4-1. Dermal and Tension packed 6 in box, all others packed doz. in box.

STERILE CATGUT, U.S.P.—In excess of 18" per tube.

Code Numbers, Boilable

Sizes	Plain	Medium Chromic
	(Type A)	(Type C)
00	Y-33	U-33
0	Y-34	U-34
1	Y-35	U-35
2	Y-36	U-36
3	Y-37	—

All the following items are approximately 20" long except Silkworm Gut, which is approximately 14".

	Sizes	Code Nos.
		Boilable
ZYTOR (Single Filament)	4-0	R-31
	000	R-32
	00	R-33
	0	R-34
DERMAL	4-0	H-31
	000	H-32
	00	H-33
	0	H-34
TENSION	1	I-35
	2	I-36
	Sizes	Code Nos.
BRAIDED SILK (White)	00	M-33
	1	M-35
	4	M-38
TWISTED SILK (White)	000	K-32
	0	K-34
	2	K-36
SILKWORM GUT	000	S-32
	00	S-33
HORSEHAIR (Black)	000	T-32

The Emergency Packet is a well-chosen assortment for the doctor whose office and home practice involves the use of sutures.

Emergency Packet — Each tube with universal $\frac{1}{2}$ curved eyed needle No. 4-1, lengths as listed in section above. 15 tubes packed in box.

<i>Nos. of Tubes</i>	<i>Material</i>	<i>Sizes</i>	<i>Code Nos. Boilable</i>
U.S.P. CATGUT			
2	Plain	00	Y-33
2	Plain	1	Y-35
2	Med. Chromic	0	U-34
1	Med. Chromic	1	U-35
NON-ABSORBABLE			
2	Dermal	4-0	H-31
1	Dermal	00	H-33
1	Dermal	0	H-34
2	Silkworm Gut	00	S-33
1	Twisted Silk	000	K-32
1	Braided Silk	00	M-33

IDEAL CATGUT ABSORPTION

These photomicrographs show reactions to medium chromic Curity catgut, size 1, implantation in the rectus abdominis muscle of healthy dogs.

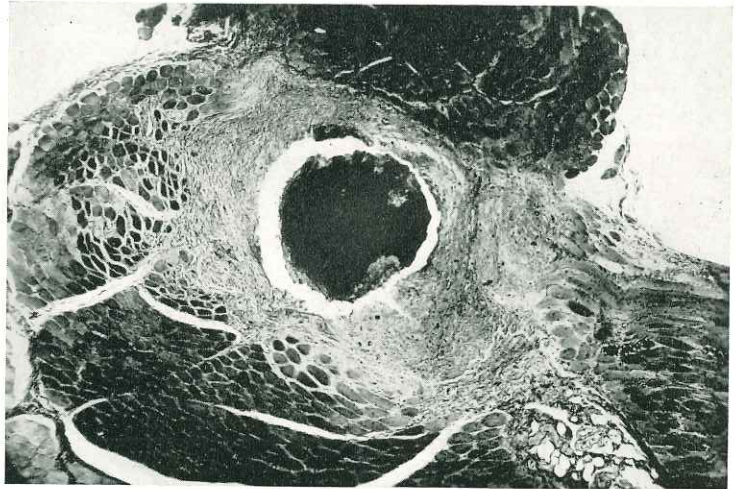
At 1 Day

Lymphocytes, erythrocytes and some polymorphonuclear leucocytes are present. Very little digestion of the catgut has occurred.



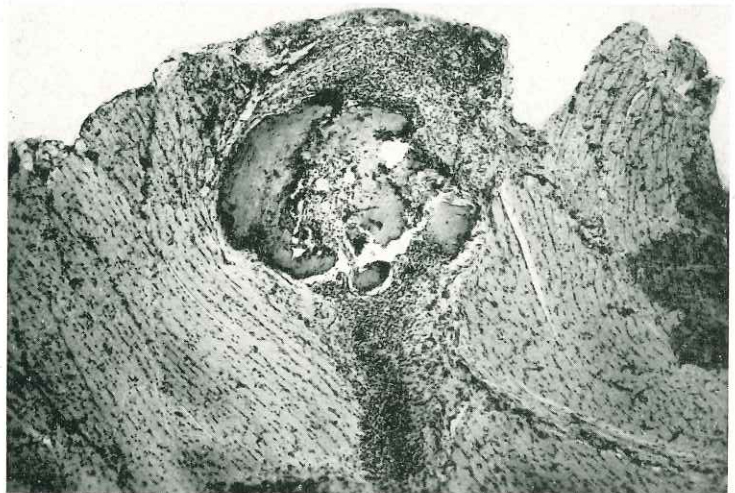
At 14 Days

This suture has been somewhat digested on the periphery, but still exhibits holding power. New connective tissue around the suture is dotted with fibroblasts. The almost complete lack of lymphocytes and polymorphonuclear leucocytes signifies the minimal irritation set up by this suture.



At 28 Days

Many collagenous fibres surround and replace this suture, some macrophages and capillaries are present. Healing is well progressed and the strand is nearly disintegrated.





SUTURE RESEARCH

With minimum standards for many properties of surgical catgut established by the 12th Supplement of the 11th edition of the United States Pharmacopoeia, the *extra* qualities of any certain brand became increasingly important to the surgeon. This section sets forth the story of Curity leadership in the art of making surgical catgut, and emphasizes those extra qualities that make Curity outstanding in reliable performance.

ABSORPTION CONTROL

Curity early recognized the need for control of catgut's absorption characteristics, insofar as the manufacturer could effect such control by the selection of desirable raw gut and by its controlled processing.

X-Ray Diffraction

The first attack on this vital problem was made in 1933, when Curity became the first suture manufacturer to employ X-Ray Diffraction in the study of raw material. It was possible to determine the micellar structure of the raw gut and of the finished catgut strands.^{1, 2} Correlation between x-ray diffraction patterns and absorption behaviour revealed that material with a closely-knit, well organized micellar structure gave more consistent and reliable absorption results than other material identical in appearance but with a random, loosely-organized structure. It was possible to devise standards for raw material purchase and to make revisions of manufacturing processes to insure the desired micellar structure, thus definitely controlling the absorption behaviour of the finished strand.

Chromicizing Studies

Catgut is made more resistant to absorption by a process quite similar to the toughening or tanning of leather by the chrome process. Two undesirable results may come from this chromicizing process: (1) some of the chromium may not combine with the collagen of the catgut, thus becoming a tissue irritant, and (2) the degree and the chemistry of chromicization may vary, thus causing significant variation in the absorption time.

Collaboration with an outstanding collagen chemist gave Curity an unusual insight into the catgut chromicizing process, knowledge that was translated into new and controlled processes. The chromicizing of Curity catgut is unusually accurate and uniform, both throughout the diameter and the length of a given strand, and from lot to lot.

Later research under Curity grants has revealed much significant data on the chromic (and plain) catgut absorption phenomenon in animal tissue.

Outstanding was the evidence produced by Bates³, in some respects contradictory to established belief and of great clinical significance, evidence on which these conclusions were based:

1. Plain catgut excites prompt and marked foreign body reaction and so delays wound healing.
2. Chromic catgut excites much less foreign body reaction than plain catgut.
3. Smaller sizes of either plain or chromic catgut excite less reaction and exert holding power longer than the respective larger sizes. (This observation is of practical significance only in relation to chromic catgut, since plain may not give adequate support throughout the time the healing wound needs support.)

Convinced of the soundness of these conclusions, and accepting the implication that the chromic catgut must be properly made, Curity became the first suture manufacturer to advocate greater use of chromic and in as small a size as could be placed without breakage. The marked trend in this direction has been, we feel, real evidence of the soundness of this work.

¹ Ziegler, P. F. and Clark, G. L., "The X-Ray in the Study of the Catgut Ligature." *Surg., Gynec. & Obst.*, 58:30, 1934.

² Clark, G. L., Flege, R. K., Ziegler, P. F., "Surgical Catgut Ligatures." *Ind. & Eng. Chem.*, 26:4, 1934.

³ Bates, R. R., "Studies on the Absorbability of Catgut." *Am. J. Surg.*, 43:3, 1939.

STRAND SURFACING



Rough, "Whiskered"
Strands

Smooth Curity
Strand

Strand Surfacing

Another factor leading to suture failure is too rapid digestion at a particular point, made possible by disruption of the strand's ply so that each is separately digested. This is caused most often by the strand's roughened surface snagging as the suture is placed and tied, the tension opening up the strand. Curity processing methods have made possible unusual refinements in strand surfacing, eliminating any roughness that could cause too rapid absorption.

Through all this work on catgut absorption, constant checks of experimental work have been made both by chemical digestion tests and by animal work. It is recognized that there is no certain direct correlation between such checks and clinical experience, but by producing catgut standardized according to these tests the factor of variation in clinical experience is markedly lessened.

STERILITY

Raw catgut is infected with many types of bacteria, including tetanus and anthrax, since it is tissue from the intestinal tract of a grazing animal. Heat sterilization is the only process now known to insure destruction of all these pathogenic organisms without seriously damaging the catgut suture's desirable properties.

Even though production records indicate completion of the approved heat sterilization process, a most careful check of each lot must be made before the batch is released for sale. The 12th Supplement to the 11th edition of the United States Pharmacopoeia specifies a culturing procedure for determining whether any aerobes or anaerobes have survived the sterilizing process. To this testing procedure Curity adds still further precautions in an effort to make even more certain that no surviving bacteria escape detection.

TENSILE STRENGTH

Because catgut is an animal tissue, it tends to vary through a fairly wide range of tensile strength. The suture manufacturer's problem in the control of tensile strength is two-fold:

1. To make certain the raw gut strings are correctly made from the tissues of healthy, young range animals.
2. To so develop and control the final processing that tensile strength is not impaired, and varies only within established standards.

Curity's extensive and continuing control study of tensile strength involves the assembly of sufficient data to permit analysis by the use of true statistical methods. A surprisingly complete and significant picture of Curity production results is always ready for reference and as a production control.

Strand surfacing is an important Curity process that actually tends to increase the catgut strand's effective tensile strength. It is a mechanical process whereby the rough spots are smoothed off, and the fibrous "whiskers" are removed. The ties of a knot slide down smoothly without catching on any snags and so weakening or actually breaking the strand.

GAUGE

The gauge of a catgut suture is of two-fold significance to the surgeon:

1. It is an indication of the strand's tensile strength.
2. It is a measure of the protein bulk which the tissues must absorb.

The more accurately sutures are gauged, the less variable the strands are apt to be in tensile strength and absorption rate.

Here again, continuing studies assemble data which can be analyzed by recognized statistical procedures to give a more complete picture of Curity accuracy in gauging. From strand to strand, and from lot to lot, Curity sutures will not vary significantly in gauge.

SUMMARY

This brief discussion has reviewed the more important facts contributing to the *extra* value of Curity Sutures: Absorption Control, More Rigid Standards, Research Progress. As already applied to manufacturing and inspecting procedures, these factors have made themselves felt in the reliable performance of the finished suture. The Curity Research Laboratories continue a program of active investigation, the practical results of which will continue to raise the standards of Curity Sutures.

U. S. Patent Office

OCT 29 1956

DIVISION 55

Actually, this catalogue was received
in the division years before the above
date, probably 1945 or thereabouts